Sant Gadge Baba Amravati University

E-Tender Notice

No. SGBAU/2/Store/1440/2022-23

E-Tenders are invited from authorized dealers / Manufacturers for Supply of various type of purchases as per the following details.

Tender Sr. No	Name of Tender
22 /2022-23	Supply of LED Wall.

Details of E-Tenders are available on www.mahatenders.gov.in. and it is also available on our website www.sgbau.ac.in for information only. Right to reject any tender (part or full), without assigning any reason, is reserved by the University.

Registrar

Date: 17/01/2023

For Web Site

Sant Gadge Baba Amravati University

E-Tender Notice

No. SGBAU/2/Store/ 1440/2022-23

E-Tenders are invited from authorized dealers / Manufacturers for Supply of various type of purchases as per the following details.

Tender Sr. No.	Name of Tender	Cost of Tender Form including GST @18%	Tender Deposit (EMD)	Last Date of Submission upto 01.00 PM	Date of Opening at 01.00 PM
1	2	3	4	5	6
22/2022-23	Supply of LED Wall	5664/-	80000/-	03/02/2023	04/02/2023

E-Tenders, Cost of Tender Form and EMD should be compulsorily submitted online on website www.mahatenders.gov.in

E-Tender possibly will be open in presence of Tender Opening Committee at E-Tender cell, Engineering section, Sant Gadge Baba Amravati University. Right to reject any tender (part or full), without assigning any reason, is reserved by the University.

Registrar

Date: 17/01/2023

Envelope - 01

Sant Gadge Baba Amravati University

E-Tender Form (Technical Bid) TENDER NO. 22/2022-23

To,

Sant	Registrar Gadge Baba Amravati University, avati
	Subject: Supply of "Supply of LED Wall." Ref.: Tender Notice No. SGBAU/2/Store/1440/2023, dated 17/01/2023 (Due Date 03/02/2023)
R/Sir	With reference to subject mentioned above, I / We M/s
 Wa	quote herewith the rates for supply of "Supply of LED II".
	I /We read and accept all terms and conditions of this Tender Form

1	Full name of Vender Firm :					
2	Name and Designation of the person signing the bid :					
3	Address of the Firm :					
4	e-mail :					
5	Phone No. :					
6	Mobile No. :					
7	Shop Act Registration Certificate (if Applicable)	Enclosed	Not Enclosed			
8	Income Tax Clearance Certificate / Return Certificate (Latest/	Enclosed	Not Enclosed			
	Current year)					
9	GST Registration Certificate	Enclosed	Not Enclosed			
10	Tender Form Fee & Tender Deposit Money (EMD) online receipt (As	Enclosed	Not Enclosed			
	per norms)					
11	Tender Form Fee Exemption Certificate. (if applicable)	Enclosed	Not Enclosed			
12	EMD Exemption Certificate. (for availing the facility of exemption)	Enclosed	Not Enclosed			
13	Copy of Permanent Account No. (PAN)	Enclosed	Not Enclosed			
14	Declaration Regarding Blacklisting / Debarring of taking part in Tender	Enclosed	Not Enclosed			
	(As per Annexure-A (should be notarized after date of e-tendering.)					
15	Fall Clause Certificate (As per Annexure-B)	Enclosed	Not Enclosed			
16	General Terms and Conditions (As per Annexure-C)	Enclosed	Not Enclosed			
17	Bidder should be Manufacturer/Authorized dealer. Letter of authorization	Enclosed	Not Enclosed			
	from Original Equipment Manufacturer should be enclosed. Rates will be					
	considered for which valid authorization certificate submitted for this					
	tender.					

I / We have read carefully and have understood the same in vernacular known to me / us about all the Terms and Conditions and Standard Terms and Conditions and I / we hereby agree to the same and shall abide by them hence this verification. Name of Firm :

GST Registration No.	:	
Permanent Account No	.(PAN)	:
Signature of Vender	:	
Name of the Authorized	d signato	ory :
Seal of the Firm	:	

DECLARATION REGARDING NOT BEING BLACKLISTED/DEBARRED FOR TAKING PART IN TENDER

(To be executed and attested by public Notary / Executive Magistrate on Rs. 100/- judicial Stamp paper by the bidder)

I / We	has not been blacklisted or debarred in the
OR	
I / We	was blacklisted/ debarred in the past by Union om taking part in tenders for a period of
In case the above information found false I / We am/are rejected / cancelled by the University and EMD / SD should be university will not be responsible for payment of any co	all be forfeited. In additions to the above the
	DEPONENT
	Name:
Attested:	

(Public Notary / Executive Magistrate

Fall Clause Notice Certificate

This is to	certify that I/we have offer	red the maximum possible discou	nt to you in the
Tender No	Dated	The Price Charged for the store	s supplied under
Rate Contract should,	under no event by higher tha	an lowest prices at which the part	y sells the terms
of identical description	າ to any other Govt. organizat	tion / PSU/ Autonomous bodies / F	Pvt. Organization
during the period of co	ontract failing which the "FAL	LL CLAUSE" will be applicable.	

In case, if the price charged by our firm is more, Sant Gadge Baba Amravati University will have the right to recover the excess charged amount from the subsequent / unpaid bill of the supplier.

Seal and signature of Tenders

Note: This letter of authority should be on the letter head of the supplier firm and should be signed by the person competent and having the power of attorney to bind the same.

Date:

17/01/2023

SANT GADGE BABA AMRAVATI UNIVERSITY

University Campus, Near Tapowan, Mardi Road, Amravati 444602

<u>Phone No.</u> (0721) 2668195, 2668206, 2668158 <u>Ext. No.</u> 237, 240

Fax No.: (0721) 2668049, 2668135

Email – arstore@sgbau.ac.in **GRAM** – AMUNI **Website:** www. sgbau.ac.in

GENERAL TERMS and CONDITIONS TENDER NO. 22/2022-23

No. SGBAU/2/Store/ 1440/2022-23

- 1) E-Tenders are invited from Manufacturer / Authorized dealers for Supply of LED Wall.
- 2) E-Tender should be compulsorily submitted online only.
- 3) Last date of online submission of E-Tender is 03 /02/2023 up to 01.00 PM. The tender will be opened on 04/02/2023 at 01.00 PM in presence of Tender opening committee preferably at E-Tender Cell, Engineering Section, Sant Gadge Baba Amravati University, Amravati.
- 4) The tenderer must submit the following documents online only. If the following documents are not found at the time of opening, the tender will not be considered. (The hard copy of the same be submitted to Store Section, of the Sant Gadge Baba Amravati University before the date of opening)
 - a) Shop Act Registration Certificate (if Applicable)
 - b) Income Tax Clearance Certificate / Return Certificate (latest / Current Year)
 - c) GST Registration Certificate.
 - d) Tender Form Fee and Tender Deposit Money (EMD)
 - e) Tender Form Fee Exemption Certificate, (for availing the facility of exemption) (if applicable)
 - f) EMD Exemption Certificate, (for availing the facility of exemption) (if applicable)
 - g) Copy of Permanent Account No. (PAN)
 - h) Declaration Regarding Blacklisting / Debarring of taking part in Tender (As per Annexure-A (should be notarized after date of e-tendering.)
 - i) Fall Clause Certificate (As per Annexure-B)
 - j) General Terms and Conditions. (As per Annexure-C)
 - k) Bidder should be Manufacturer/Authorized dealer. Letter of authorization from Original Equipment Manufacturer should be enclosed. Rates will be considered for which valid authorization certificate submitted with this tender.
- 5) The Tender Form Fee of Rs. 5664/- (including18% GST) and EMD of Rs.80000/- should be submitted online only.
- 6) Successful bidder shall have to deposit @ 5% on total value of purchase orders as Security Deposit. While calculating the security deposit, the EMD amount shall be converted in Security Deposit and it will be released within three months after the expiry of warrantee period.
- 7) The Successful bidder availing the facility of exemption shall have to deposit @ 5% as Security Deposit on total value of purchase orders within specific /stipulated period prescribed by University after acceptance of their rates in the form of Demand Draft / Pay Order /FDR/ Banker Cheque in favour of Finance and Accounts Officer, Sant Gadge Baba Amravati University, Amravati
- 8) Failure of the successful bidder to deposit Security Deposit within prescribed time limit shall constitute sufficient grounds for the annulment of the award. In this event the University may make the award to consecutive next lowest evaluated bidder or call for new bids.
- 9) Incomplete e-tenders not in conformity with our prescribed specifications, terms and conditions will be rejected. University has right to accept / reject any or all tenders partially or complete without assigning any reason.
- 10) The suppliers should quote rates for each article quite independent of the rates of other articles, as it will be the right of the University to accept the offer partially or fully.
- 11) Rates to be mentioned F.O.R. Stores/ Dept. and inclusive of all taxes, installation / transportation etc. The purchase order for supply of material will be issued time to time as per requirement after the acceptance of the rates. (Rates should be valid up to 30.06.2023)
- 12) The supplier shall supply the ordered goods within the delivery period mentioned in the purchase order.
 - Failing to which the penalty @.0.5% per week shall be charged of order value and shall be deducted from the bill of supplier. In case of emergency, University shall reduce the delivery period and the supplier shall have to deliver the goods within the reduced delivery period.
- 13) In case of substandard material, the supplier shall have to replace the same goods within 7 days, otherwise penalty @ 0.5% per week shall be imposed of ordered value and @ 5% penalty at the cost of material or as decided by the university due to substandard supply. In case of defects noticed during use of material supplied by the supplier within warrantee period from the date of supply, the supplier will require to repair / replace the materials etc., failing to which the material will be repaired / purchased from another agency and the difference in cost, if any will be adjusted from the earnest money/ security deposit or any other pending bills of the supplier.

- 14) University has right to reject any part or full articles, if the quality of material is disapproved and will be kept in stores / Dept./Section at supplier's risk only. It should be replaced at suppliers own cost within seven days.
- 15) If the tenderer withdraw from tender process at any stage or failure to comply with the supply order the EMD will be forfeited. As well as if suppliers fail to replace the rejected goods in time, we are at liberty to purchase the ordered goods from the open market without giving any prior notice and if compelled to purchase at the higher price than your approved rates, such losses shall be recovered from the S.D. or any outstanding payment of the bidder.
- 16) The security Deposit of successful bidder will be refunded only after completion of final supply as per terms and conditions.
- 17) **Product Catalogue**:-Original Catalogues / brochures showing details of Technical Specifications of Equipment should be enclosed. All specification should be substantiated by Technical data sheets in original. Photocopies of the Catalogue / Brochure will be rejected.
- 18) **Demonstration and Training**: The successful tenderer(s) shall have to give demonstration and sufficient training at his cost to the staffs of the concern department to operate the Equipment/ Instrument after delivery and/ OR as and when required/ if asked by user department.
- 19) **Term of payment:** Payment to be made to the supplier after satisfactory supply and will be subject to the deduction of taxes applicable at source at the rate in force from time to time.
- 20) All legal matters subject to jurisdiction of Amravati.
- 21) Any person working in University in any capacity should not take part in tender.
- Any dispute arising out of or relating to this enquiry/e-tender, the decision of Hon'ble Vice-Chancellor shall be final.

23) STANDARD TERMS AND CONDITIONS:

A) Changes /Amendments:

The University shall have the right at any time, by written notice, in the form of an amendment order, to make any changes it deems necessary, including, but not limited to changes in specifications design, delivery, testing methods, packing or destination. If any such required changes cause an increase or decrease in the cost of or the time required for performance, an equitable adjustment shall be made in the contract price or delivery schedule, or both. Any claim by the vendor for adjustment under this clause shall be deemed waived unless asserted in writing within ten (10) days from receipt by the vendor of notice of change (amendment order). Price increase, extension of time for delivery and change in quantity shall not be binding on the University unless sufficiently justified by a vendor and accepted by the University in a form of amendment/change order issued and signed by the University.

B) Delivery/ Force Majeure:

If any Material is not delivered by the date specified therein, the University reserves the right, without liability, to cancel the order for undelivered material not yet shipped or tendered, and to purchase the same from another vendor and to charge the defaulting vendor for any loss incurred in this transaction. Any provisions thereof for delivery by instalment shall not be construed as obligatory unless agreed upon by both the parties. The University shall have the right to refuse deliveries made more than one week in advance of any delivery schedule appearing in the order unless arrangements for such early delivery have been confirmed with the receiving party. If the vendor is unable to complete performance at the time specified for delivery by reason of strikes, labour disputes, riot, war, fire or other causes beyond the vendor reasonable control, the University, at its option, may elect to take delivery of Material in its unfinished state and to pay such proportion of the contract price as it deemed reasonable.

C) Price / Taxes:

Price stated in this agreement are firm and shall remain firm until required deliveries have been completed unless otherwise expressly agreed to in writing by both parties. The vendor agrees that any price reduction made with respect to Material covered by this order subsequent to placement will be applied to this order. All prices specified herein include all charges for, but not limited to, inspection, and packaging. Prices set forth shall be inclusive of applicable sales, excise, value-added or similar taxes until and unless specified in the schedule.

D) Inspection And Acceptance:

All Material covered by this order may be inspected and tested by the University or its designee at vendors cost. If deemed necessary by the University, the vendor shall provide without charge, all reasonable facilities and assistance for such inspection and test. Any inspection records relating to Material covered by this agreement shall be made available to the University during the performance of the order. If any Material covered by this agreement is defective or otherwise not conforming to the requirements of this agreement, the University may, by written notice to the vendor:

- (a) rescind the purchase / supply order as to such non-conforming Material;
- (b) accept such Material at an equitable reduction in price;
- (c) reject such non-conforming Material and require the delivery of suitable replacements.

(d) If the vendor fails to deliver suitable replacements promptly, the University, with notice of seven business days, may replace or correct such Material and charge the vendor the additional cost occasioned thereby, or terminate this order for default. No inspection (including source inspection) test, approval (including design approval) or acceptance of Material shall relieve the vendor from responsibility for defects or other failures to meet the requirements of this order. Rights granted to the University in this article entitled INSPECTION are in addition to any other rights or remedies provided elsewhere in this order or in Law.

E) Warranty:

The vendor warrants that any Material supplied hereunder shall conform to generally recognized manufacturing and safety standards of the vendor's industry as per Indian standard Institution (ISI) or similar standard. The vendor's specifications on performance as detailed in the vendor's brochures, sales literature and other specifications as may be available to the University.

- (a) In addition to any other express or implied warranties, the vendor warrants that the Material furnished pursuant to this order will be:
- 1. free from defects in title, workmanship and material:
- 2. free from defects in design except to the extent that such items comply with detailed designs provided by the University;
- 3. of merchantable quality and suitable for the purposes, if any, which are stated in the tender / quotation.
- (b) If any material covered by this agreement is found not to be as warranted, the University may, by written notice to the vendor
- 1. Reject such defective material and require the delivery of suitable replacements.
- 2. If the vendor fails to deliver suitable replacements promptly, the University, with notice of seven business days, may replace or correct such material and charge the vendor the additional cost occasioned.
- (c) Any items corrected or furnished in replacement are subject to all the provisions of this article entitled WARRANTIES to the same extent as items as items initially furnished or originally ordered.
- **F)** This warranty provision shall survive any inspection, delivery, acceptance, payment, expiration or earlier termination of this order and such warranties shall be extended to the employees, students, and users of the material. Nothing herein, however, shall limit the University's rights in law or equity for damages resulting from delivery of defective goods or damage caused during the delivery of goods or provision of services.
- **G)** Rights granted to the University in this article entitled WARRANTTIES are in addition to any other rights or remedies provided elsewhere in this order or in Law.

H) Patent Indemnity:

The vendor agrees to indemnify, hold harmless and defend the University, its employees, and students with respect to all claims, suits, actions and proceedings of actual or alleged infringements of any Letter, patent, Registered or Industrial Design, Trademark or Trade Name, Trade secret, copyright or other protected right in any country resulting from any sale, use or manufacture of any Material delivered hereunder and to pay and discharge all judgments, decrees, and awards rendered therein or by reason thereof and bear all expenses and legal fees (including the University's) associated herewith. The University reserves the right to be represented in any such action by its own counsel at its own expense.

I) **Indemnity:**

The vendor will indemnify, defend and hold the University, its and students harmless from any loss, expense, claim or damage including reasonable defence costs, arising from any claim or action based on any acts or omissions of the vendor, its employees, servants, agents or subcontractors. The University reserves the right to be represented in any such action by its own counsel at its own expense.

J) Assignment / Subcontracting / Sublet:

The vendor shall not assign the order received, any rights under this agreement or to become due hereunder neither delegated nor subcontracted / sublet any obligations or work hereunder without the prior written consent of the University.

K) Cancellations:

- (a) The University may cancel this agreement in whole or in part, for no cause, upon written, FAX or telex notice to the vendor, effective when sent, provided such notice is sent at least fourteen (14) days prior to the delivery date specified on the face of this order. The University may cancel this order in whole or in part at any time for cause by written, FAX, or e-mail notice to to vendor, effective when sent, in the event that the vendor:
- (a) fails to comply with any term or condition for this order including, but not limited to, delivery terms; or
- (b) appoints a receiver, liquidator or trustee in bankruptcy or other similar officer over any or all of its property or assets; or
- (c) files a voluntary petition in bankruptcy; or
- (d) has had filed against it an involuntary petition in bankruptcy which remains in effect for thirty (30) days; or
- (e) voluntarily ceases trading; or
- (f) merges with or is acquired by a third party; or
- (g) assigns any of its rights or obligations under the order to a third party without the University's advance written consent. upon the occasion of any one of the aforesaid and in addition to any remedies which the University may have in Law or in Equity, the University may also cancel this order or any outstanding deliveries hereunder by notifying the vendor in writing of such cancelation and the vendor shall thereupon transfer title and deliver to the University such work in progress or completed material as may be requested by the university. The University shall have no liability to the vendor beyond payment of any balance owing for Material purchased hereunder and delivered to and accepted by the University prior to vendor's receipt of the notice of termination, and for work in progress requested for delivery to University.

L) Rescheduling:

The University may without liability at least fourteen (14) days prior to the scheduled delivery date appearing on the order defer delivery on any or every item under said order by giving oral notice to the vendor (confirmed in writing ten (10) working days) of any necessary rescheduling.

M) Shipping, Packaging and labelling:

All Material purchased hereunder must be packed and packaged to ensure its safe delivery in accordance with good commercial practice and where incorporated, the University's packaging specification.

N) The Vendor as an Independent Contractor:

The vendor shall perform the obligations of this order as an independent contractor and under no circumstances shall it be considered as agent or employee of the University. The terms and conditions of this order shall not, in any way, be construed as to create a partnership or any other kind of joint undertaking or venture between the parties hereto. The vendor expressly waives any and all rights which or may not exist to claim any relief under the University's comprehensive insurance policy, worker's compensation or unemployment benefits.

O) Invoicing / Payments / Set-offs:

After each completion of supply/purchase order, the vendor shall duplicate invoices including item number to the University's concern Department. Payment of invoice shall not constitute acceptance of Material ordered and shall be subject to appropriate adjustment, if the vendor failed to meet the requirements of this agreement. The University shall have right at any time to set-off any amounts due to the vendor, (or any of its associated or affiliated companies) against any amounts owed by the University with respect to this agreement.

P) Compliance with Laws:

By acceptance of this agreement, the vendor agrees to comply with the requirements of all the existing laws. The vendor also agrees to comply with the fair labour standards Act and the occupational safety and Health Act, and all other applicable laws, ordinances, regulations and codes in the vendor's performance hereunder. The vendor further agrees to indemnify and hold the University and its customers harmless from any loss or damage that may be sustained by the University, by reason of the vendor's failure to comply with any laws, ordinance, regulations and codes.

Q) Reproduction of Documentation:

The University shall have the right at no additional charge to use or incorporate all or portions of material found in the vendor's literature and / or reproduce the vendor's applicable literature such as operating and maintenance manuals, technical publications, prints, drawings, training manuals and other similar supporting documentation and sales literature. The vendor agrees to advise the University of any up dated Information relative to the foregoing literature and documentation with timely written notice.

Registrar Sant Gadge Baba Amravati University

I / We have read carefully and have understood the same in vernacular known to me / us about all the General Terms and Conditions and Standard Terms and Conditions and I / we hereby agree to the same and shall abide by them, hence this verification.

Name of Firm :	
GST Registration No.:	
Permanent Accounts No. (PAN NO.)	
Signature of Vender:	
Name of the Authorized signatory:	

Seal of the Firm

Envelope - 02

Sant Gadge Baba Amravati University

E-Tender Form (Financial Bid) TENDER NO. 22/2022-23

To,

Registrar Sant Gadge Baba Amravati University, Amravati

Subject : Supply of LED Wall.

Ref.: Tender Notice No. SGBAU/2/Store/ 1440/2022-23, dated 17/01/2023 (Due Date- 03/02/2023)

R/Sir

With reference to above I / We M/s.....

quote herewith the rates for Equipment's etc. I / We have read and accepted all terms and conditions which are enclosed with this Tender Form.

Sr. No.	Description of Item				Approx. Quantity required Unit/No.	Rate in Rs. Per Unit/No. inclusive of all taxes / charges	Total Amount inclusive of all taxes / charges
1		2			3	4	5
01	CON	IPUTER CENTRE					
1.01	P4 Oi	ıtdoor LED Wall:					
1.02	P4- Dual Mode HDC Controller: Size=12.60(Lx8.4 (H) =105.84sqft.			02			
1.02	Dual Mode HD Controller: HD Controller for Execute the screen			02			
1.04	HD Receiving cards: Data Processing(Actual)				01		
1.05	Softwa	re: HD Player			01		
1.06	Lan Co	able: From operating room	ı to displays		02		
1.07	Sound	System: For Audio System	60watt or above		02		
1.08	Stabili Fluctu	zer of 10 KVA: For protects ations	ing the device from V	Voltage	02		
1.09	Fabrio	cation: In additional to you	present fabrication (02		
1.10	Freigh	at :Transportation from Ou	r office to client loca	ation	01		
1.11	TECHNICAL IP4 Specification:						
	SN	Parameters	Values	Units			
	1	Pixel pitch4	4	Mn			
	3	LED Make Minimum viewing distance	12	- Feet			
	4	Brightness of white balance	≥6000	Cb/m ²			
	5	Driving IC	MB15124/ICN203 8	-			
	6	Ingress protection (Front/Rear)	IP65	-			
	7	Operating temperature	-40~+60	Degree			
	8	Operating humidity	10%~90%	- DCD			
	9	Pixel configuration	3R1G1B	RGB Por Sa	m		
	10	Pixel per sq.m Grey Scale	27777 16384RGB	Per Sq.	111		
	11	Refresh frequency	≥3840	Level Hz			
	1.7.	Kerresii frequency		112		1	
	13	Driving mode (Scan mode)	1/10 Scanning	-			

		T. 10 1 7001		T		1	ı		
	15	Lifetime at 50%	1,00,000	Hours					
		brightness							
		LED Lamp parameters	Wavelength						
	16	LED make	-	-					
	17	Red wave length (typical	623	Nm					
	18	Green wave length	525	Nm					
		(typical							
	19	Blue wave length (typical	470	Nm					
	20	Viewing angle-H	140	Deg.					
	21	Viewing angle-V	130	Deg.					
		Module Parameters							
	22	Pixel Pitch	6	Nm					
	23	Pixel configuration	SMD	All col	or				
	24	Pixel Matrix per module	80x40	Dot					
	25	Module size	320x160	Mm		4			
	26	Cabinet Parameters	160 11			4			
	26	Cabinet material	MS cabinet	-		4			
	27	Cabinet size	960*960	Mm		4			
	28	Cabinet weight	25	Kg					
	20	Power consumption	110 220	V		4			
	29	Input voltage (AC)	110-230 50 or 60						
	30	Input power frequency		Hz					
	31	Power consumption per sq.m maximum	600	W					
	32	Power consumption per	230	W		1			
		sq.m minimum	250	''					
		Controlling and		<u> </u>		1			
		Operating System							
		Sperming of seem							
	33	Single Input format	AV.S-vieo, VGA,	-		1			
			DVI. YpbPR,						
			HDMI, Sdi						
	34	Operating system	Windows	-					
			(2000/XP/Vista)						
	35	Data Transfer Method	Lan Cable , USB,	-					
			Android						
	36	Control Distance	Lan Cable = 100m.	-					
		77 . 1) . 11 . 6	Single fiber <10km			4			
		Note: 1) with five years warranty- within							
		warranty- within warranty services are free							
		2) AMC after 5 years							
		(Once the warranty period							
		Finished)							
		1 imstice)							
02	FNGI	ISH DEPT.	•			-			
	LED	Screen Display Size:55	5": Resolution 38	40 "		02			
2.01			. Resolution 38	40 x		02			
		Video Picture	0 IVDD 40 IVGV						
		ne: UHD Engine,(PQI 130							
		ast Color, Enhance Auto							
		Dolby Digital Plus, Sou							
	,	W, R:10W), Speaker Type							
		t Things App Support, N							
		N, Wi-Fi Direct, Analo							
		ction, Digital Broadcastin							
		HDMI2, USB1, Digital							
		Support, Connect & Sha							
	Mode	e, Eco Sensor, Auto Chan	el Search, Power S	upply					
		00 - 240 v, 50/60 Hz, Power							
		D) 1238.6 x 714.2 x							
		ssories: Remote Control							
		ries, Visa Wall Mount, Use		able.					
		: Hugo Techno OR							
2.02	LED	Screen Display Size:55	5": Resolution 38	40 x		02			_
		Video Picture							
		ne: UHD Engine,(PQI 130	0 HDR, 10+ HGL)	Mega					
	_	ast Color, Enhance Auto		-					
		Dolby Digital Plus, Sou							
		W, R:10W), Speaker Type							
		t Things App Support, N							
		N, Wi-Fi Direct, Analo							
		ction, Digital Broadcastin	•						
1		HDMI2, USB1, Digital							
		Support, Connect & Sha							
	H 1 11						l	1	
		* *							
	Mode	e, Eco Sensor, Auto Chan	el Search, Power S	upply					
	Mode AC10	* *	el Search, Power S r Consumption 155V	upply V, (W					

	A		T	1
	Accessories: Remote Control TM1240A Batteries, Visa Wall Mount, User Manual, Power Cable.			
	Make: Oscarspro OR			
2.03	LED Screen Display Size:55": Resolution 3840 x	02		
2.03	2160, Video Picture	02		
	Engine: UHD Engine, (PQI 1300 HDR, 10+ HGL) Mega			
	Contrast Color, Enhance Auto Motion Plus, Film Mode,			
	Audio Dolby Digital Plus, Sound Output (RMS) 20W,			
	(l:10W, R:10W), Speaker Type2CH Multi Room Link,			
	Smart Things App Support, Mobile to TV Mirroring,			
	DLAN, Wi-Fi Direct, Analog Clean View, Triple Protection, Digital Broadcasting Analog Tuner-DVB-			
	T2C,: HDMI2, USB1, Digital Audio Output RF1, USb			
	HDI Support, Connect & Share (USB2.0),EPG Game			
	Mode, Eco Sensor, Auto Chanel Search, Power Supply			
	AC100 – 240 v, 50/60Hz, Power Consumption 155W, (W			
	x H x D) 1238.6 x 714.2 x 59.2mm 17.50 Kg.,			
	Accessories: Remote Control TM1240A Batteries, Visa Wall Mount, User Manual, Power Cable.			
	Make: Globus			
2.04	LED Screen Display Size:32": Resolution 3840 x	01		
2.01	2160, Video Picture	01		
	Engine: UHD Engine,(PQI 1300 HDR, 10+ HGL) Mega			
	Contrast Color, Enhance Auto Motion Plus, Film Mode,			
	Audio Dolby Digital Plus, Sound Output (RMS) 20W,			
	(1:10W, R:10W), Speaker Type2CH Multi Room Link,			
	Smart Things App Support, Mobile to TV Mirroring, DLAN, Wi-Fi			
	Direct, Analog Clean View, Triple Protection,			
	Digital Broadcasting Analog Tuner-DVB-T2C,: HDMI2,			
	USB1, Digital Audio Output RF1, USb HDI Support,			
	Connect & Share (USB2.0),EPG Game Mode, Eco			
	Sensor, Auto Chanel Search, Power Supply AC100 – 240			
	v, 50/60Hz, Power Consumption 155W, (W x H x D) 1238.6 x 714.2 x 59.2mm 17.50 Kg.,			
	Accessories: Remote Control TM1240A			
	Batteries, Visa Wall Mount, User Manual, Power Cable.			
	Make: Hugo Techno OR			
2.05	LED Screen Display Size:32": Resolution 3840 x	01		
	2160, Video Picture			
	Engine: UHD Engine, (PQI 1300 HDR, 10+ HGL) Mega			
	Contrast Color, Enhance Auto Motion Plus, Film Mode, Audio Dolby Digital Plus, Sound Output (RMS) 20W,			
	(1:10W, R:10W), Speaker Type2CH Multi Room Link,			
	Smart Things App Support, Mobile to TV Mirroring,			
	DLAN, Wi-Fi			
	Direct, Analog Clean View, Triple Protection,			
	Digital Broadcasting Analog Tuner-DVB-T2C,: HDMI2,			
	USB1, Digital Audio Output RF1, USb HDI Support, Connect & Share (USB2.0),EPG Game Mode, Eco			
	Sensor, Auto Chanel Search, Power Supply AC100 – 240			
	v, 50/60Hz, Power Consumption 155W, (W x H x D)			
	1238.6 x 714.2 x 59.2mm 17.50 Kg.,			
	Accessories: Remote Control TM1240A			
	Batteries, Visa Wall Mount, User Manual, Power Cable.			
2.06	Make: Oscarspro OR LED Screen Display Size:32": Resolution 3840 x	Ω1		
2.06	LED Screen Display Size:32": Resolution 3840 x 2160, Video Picture	01		
	Engine: UHD Engine, (PQI 1300 HDR, 10+ HGL) Mega			
	Contrast Color, Enhance Auto Motion Plus, Film Mode,			
	Audio Dolby Digital Plus, Sound Output (RMS) 20W,			
	(l:10W, R:10W), Speaker Type2CH Multi Room Link,			
	Smart Things App Support, Mobile to TV Mirroring,			
	DLAN, Wi-Fi Direct, Analog Clean View, Triple Protection,			
	Digital Broadcasting Analog Tuner-DVB-T2C,: HDMI2,			
	USB1, Digital Audio Output RF1, USb HDI Support,			
	Connect & Share (USB2.0),EPG Game Mode, Eco			
	Sensor, Auto Chanel Search, Power Supply AC100 – 240			
	v, 50/60Hz, Power Consumption 155W, (W x H x D)			
	1238.6 x 714.2 x 59.2mm 17.50 Kg.,			
	Accessories: Remote Control TM1240A Batteries, Visa Wall Mount, User Manual, Power Cable.			
	Make: Globus			
	(* * * * * **	I	<u>i </u>	l

1			
2.07	Interactive Display Panel All in One 86" Stunning 4K UHD resolution redefines clarity, High accuracy touch screen. support 1 point 2mm precision writing and 6 points 3mm simultaneous writing height below 2mm to bring smoother writing experience All-channel annotating, built-in Android writing software Public USB port auto switch Smart sidebar menu • Antenna hidden inside (Optional) All channel can be loop-outed by HDMI (Optional) Screen lock (Optional) LCD Size Diagonal :86 Inch Panel type: IPS Ultra HD Backlight type: D-LED Panel Resolution: 3840x2160(pixels, WRGB) Screen Orientation: Landscape Brightness: 400cd/m²(typ.), 350cd/m²(min.) Contrast Ratio(typ): 1200:1 Response Time(ms): 8ms Pixel Pitch: 0.4935mm*0.4935mm Aspect Ratio: 16:9 Frame rate: 60Hz View angle: 178°(H)/178°(V) Life Time: 30,000 hrs (min) 50,000 hrs (max) View area: 1895.04mm*1065.96mm Display Colors: 10bit (Color Gamut)(X% NTSC): 65% Touch technology: Advanced Infra-red Touch precision: 32768*32768 Number of touch points: 20 Points Surface Protection: 4mm Toughened Glass, Anti-glare AG: high transparent+ smoother Minimum Touch Object: ≥1.6mm(Single touch ≥1.6mm), ≥3mm(Multiple touch ≥3mm) Glass Transmission: >92% Touch Accuracy: ±1mm Response Time: ≤10ms Touch tool: Finger or touch pen or other solid(soft tip) object Theory Clicks: Unlimited Output Mode: HID Standard Windows 10/8/7,Android: Multiple Touch Windows XP, Linux, Mac OS X, Chrome: Single Touch Connect type: Male USB2.0 Communication type: USB2.0 Full speed Power supply: USB power Voltage: DC+5V±5 % Power Consumption: ≤2W Solution: MSD8386 CPU: ARM A73+A53, Working Frequency: 1.5GHz Core: Quad Core GPU: MaliG51 RAM: 2GB/3GB Make: HugoTechno OR	02	
2.08	Interactive Display Panel All in One 86" Stunning 4K UHD resolution redefines clarity, High accuracy touch screen. support 1 point 2mm precision writing and 6 points 3mm simultaneous writing height below 2mm to bring smoother writing experience All-channel annotating, built-in Android writing software Public USB port auto switch Smart sidebar menu • Antenna hidden inside (Optional) All channel can be loop-outed by HDMI (Optional) Screen lock (Optional) LCD Size Diagonal : 86 Inch Panel type: IPS Ultra HD Backlight type: D-LED Panel Resolution: 3840x2160(pixels, WRGB) Screen Orientation: Landscape Brightness: 400cd/m²(typ.), 350cd/m²(min.) Contrast Ratio(typ): 1200:1 Response Time(ms): 8ms Pixel Pitch: 0.4935mm*0.4935mm Aspect Ratio: 16:9 Frame rate: 60Hz View angle: 178°(H)/178°(V) Life Time: 30,000 hrs (min) 50,000 hrs (max) View area: 1895.04mm*1065.96mm Display Colors: 10bit (Color Gamut)(X% NTSC): 65% Touch technology: Advanced Infra-red Touch precision: 32768*32768 Number of touch points: 20 Points Surface Protection: 4mm Toughened Glass, Anti-glare AG: high transparent+ smoother Minimum Touch Object: ≥1.6mm(Single touch ≥1.6mm), ≥3mm(Multiple touch ≥3mm) Glass Transmission: >92% Touch Accuracy: ±1mm Response Time: ≤10ms Touch tool: Finger or touch pen or other solid(soft tip) object Theory Clicks: Unlimited Output Mode: HID Standard Windows 10/8/7,Android: Multiple Touch Windows XP, Linux, Mac OS X, Chrome: Single Touch Connect type: Male USB2.0 Communication type: USB2.0 Full speed Power supply: USB power Voltage: DC+5V±5 % Power Consumption: ≤2W Solution: MSD8386 CPU: ARM A73+A53, Working Frequency: 1.5GHz Core: Quad Core GPU: MaliG51 RAM: 2GB/3GB	02	
2.09	Make: Oscarspro OR Interactive Display Panel All in One 86" Stunning 4K UHD resolution redefines clarity, High accuracy touch	02	
	screen. support 1 point 2mm precision writing and 6 points		

3mm simultaneous writing height below 2mm to bring smoother writing experience All-channel annotating, built-in Android writing software Public USB port auto switch Smart sidebar menu • Antenna hidden inside (Optional) All channel can be loop-outed by HDMI (Optional) Screen lock (Optional) LCD Size Diagonal : 86 Inch Panel type: IPS Ultra HD Backlight type: D-LED Panel Resolution: 3840x2160(pixels, WRGB) Screen Orientation: Landscape Brightness: 400cd/m²(typ.), 350cd/m²(min.) Contrast Ratio(typ): 1200:1 Response Time(ms): 8ms Pixel Pitch: 0.4935mm*0.4935mm Aspect Ratio: 16:9 Frame rate: 60Hz View angle: $178^{\circ}(H) / 178^{\circ}(V)$ Life Time : 30,000 hrs (min) 50,000 hrs (max) View area: 1895.04mm*1065.96mm Display Colors: 10bit (Color Gamut)(X% NTSC): 65% Touch technology: Advanced Infra-red Touch precision: 32768*32768 Number of touch points : 20 Points Surface Protection: 4mm Toughened Glass, Anti-glare AG: high transparent+ smoother Minimum Touch Object \geq 1.6mm(Single touch \geq 1.6mm), \geq 3mm(Multiple touch ≥3mm) Glass Transmission : >92% Touch Accuracy : ±1mm Response Time : ≤10ms Touch tool : Finger or touch pen or other solid(soft tip) object Theory Clicks: Unlimited Output Mode: HID Standard Windows 10/8/7, Android: Multiple Touch Windows XP, Linux, Mac OS X, Chrome: Single Touch Connect type: Male USB2.0 Communication type: USB2.0 Full speed Power supply: USB power Voltage: DC+5V±5 % Power Consumption : ≤2W Solution : MSD8386 CPU : ARM A73+A53, Working Frequency: 1.5GHz Core: Quad Core GPU: MaliG51 RAM: 2GB/3GB Make: Globus

Seal of the Firm