



Government of Maharashtra

Directorate of Vocational Education and Training

Craftsman Training Scheme

SPECIFICATION FOR SMART TEACHING AIDS

Version 4, 2024



TABLE OF CONTENTS

| | | |
|---|------------------------------|---|
| 1 | LED TV - Smart, 32 Inch..... | 5 |
| 2 | LED TV - Smart, 40 Inch..... | 6 |
| 3 | LED TV - Smart, 55 Inch..... | 7 |
| 4 | LED TV - Smart, 65 Inch..... | 8 |
| 5 | Podium with PA System..... | 9 |

1 LED TV - Smart, 32 Inch

1.1 Basic Indicative Diagram



1.2 Items included

- 1.2.1 32 Inch LED TV
- 1.2.2 AC Power Cord
- 1.2.3 Operating Instructions
- 1.2.4 Quick Setup Guide
- 1.2.5 Remote Control

1.3 Dimensions

- 1.3.1 Screen Size (measured diagonally): 32 Inch
- 1.3.2 Dimension of TV without stand (W X H X D): 730 X 437 X 75 mm (+/- 5 %)
- 1.3.3 Bezel size: Maximum 10 mm

1.4 Connectivity

- 1.4.1 Wi-Fi
- 1.4.2 USB: 1 Port
- 1.4.3 Ethernet: 1 Port
- 1.4.4 HDMI: 2 Port
- 1.4.5 Audio Output: 1 Port

1.5 Sound

- 1.5.1 Output: 10 W + 10 W
- 1.5.2 Dolby Audio
- 1.5.3 Speaker Position: Down Firing

1.6 Display

- 1.6.1 Operating System: Android TV
- 1.6.2 Picture Processor: 4K
- 1.6.3 Contrast Ratio: 1200:1
- 1.6.4 Dynamic Contrast Ration: 400,000:1
- 1.6.5 Response Time (ms): Maximum 10
- 1.6.6 4K HDR
- 1.6.7 Display Resolution (H X V pixels): 3840 X 2160
- 1.6.8 Aspect Ratio: 16:9
- 1.6.9 Brightness (cd/m2): 350
- 1.6.10 Live Colour
- 1.6.11 Multi Language Display
- 1.6.12 Inbuilt Signage Application
- 1.6.13 Picture Mode Setting as Vivid, Standard, Custom, Cinema, Sport, Animation, Photo and Graphics
- 1.6.14 Viewing Angle (Right/ Left): 178 (89/89) degree
- 1.6.15 Viewing Angle (Up/ Down): 178 (89/89) degree
- 1.6.16 Portrait/ Tilt Compatibility: Yes
- 1.6.17 Dimming Type: Frame Dimming
- 1.6.18 Backlight Type: Direct LED

1.7 Internal Storage: 16 GB

1.8 Warranty: 3 years comprehensive warranty on product provided by the brand from the date of purchase

2 LED TV - Smart, 40 Inch

2.1 Basic Indicative Diagram



2.2 Items included

- 2.2.1 40 Inch LED TV
- 2.2.2 AC Power Cord
- 2.2.3 Operating Instructions
- 2.2.4 Quick Setup Guide
- 2.2.5 Remote Control

2.3 Dimensions

- 2.3.1 Screen Size (measured diagonally): 40 Inch
- 2.3.2 Dimension of TV without stand (W X H X D): 893 X 525 X 102 mm (+/- 5 %)
- 2.3.3 Bezel size: Maximum 10 mm

2.4 Connectivity

- 2.4.1 Wi-Fi
- 2.4.2 USB: 1 Port
- 2.4.3 Ethernet: 1 Port
- 2.4.4 HDMI 2 Port
- 2.4.5 Audio Output 1 Port

2.5 Sound

- 2.5.1 Output: 10 W + 10 W
- 2.5.2 Dolby Audio
- 2.5.3 Speaker Position: Down Firing

2.6 Display

- 2.6.1 Operating System: Android TV
- 2.6.2 Picture Processor: 4K
- 2.6.3 Contrast Ratio: 1200:1
- 2.6.4 Dynamic Contrast Ration: 400,000:1
- 2.6.5 Response Time (ms): Maximum 10
- 2.6.6 4K HDR
- 2.6.7 Display Resolution (H X V pixels): 3840 X 2160
- 2.6.8 Aspect Ratio: 16:9
- 2.6.9 Brightness (cd/m2): 350
- 2.6.10 Live Colour
- 2.6.11 Multi Language Display
- 2.6.12 Inbuilt Signage Application
- 2.6.13 Picture Mode Setting as Vivid, Standard, Custom, Cinema, Sport, Animation, Photo and Graphics
- 2.6.14 Viewing Angle (Right/ Left): 178 (89/89) degree
- 2.6.15 Viewing Angle (Up/ Down): 178 (89/89) degree
- 2.6.16 Portrait/ Tilt Compatibility: Yes
- 2.6.17 Dimming Type: Frame Dimming
- 2.6.18 Backlight Type: Direct LED

2.7 Internal Storage: 16 GB

2.8 Warranty: 3 years comprehensive warranty on product provided by the brand from the date of purchase

3 LED TV - Smart, 55 Inch

3.1 Basic Indicative Diagram



3.2 Items included

- 3.2.1 55 Inch LED TV
- 3.2.2 AC Power Cord
- 3.2.3 Operating Instructions
- 3.2.4 Quick Setup Guide
- 3.2.5 Remote Control

3.3 Dimensions

- 3.3.1 Screen Size (measured diagonally): 55 inch
- 3.3.2 Dimension of TV without stand (W X H X D): 1243 X 721 X 71 mm (+/- 5 %)
- 3.3.3 Bezel size: Maximum 10 mm

3.4 Connectivity

- 3.4.1 Wi-Fi
- 3.4.2 USB: 1 Port
- 3.4.3 Ethernet: 1 Port
- 3.4.4 HDMI: 2 Port
- 3.4.5 Audio Output: 1 Port

3.5 Sound

- 3.5.1 Output: 10 W + 10 W
- 3.5.2 Dolby Audio
- 3.5.3 Speaker Position: Down Firing

3.6 Display

- 3.6.1 Operating System: Android TV
- 3.6.2 Picture Processor: 4K
- 3.6.3 Contrast Ratio: 1200:1
- 3.6.4 Dynamic Contrast Ration: 400,000:1
- 3.6.5 Response Time (ms): Maximum 10
- 3.6.6 4K HDR
- 3.6.7 Display Resolution (H X V pixels): 3840 X 2160
- 3.6.8 Aspect Ratio: 16:9
- 3.6.9 Brightness (cd/m2): 350
- 3.6.10 Live Colour
- 3.6.11 Multi Language Display
- 3.6.12 Inbuilt Signage Application
- 3.6.13 Picture Mode Setting as Vivid, Standard, Custom, Cinema, Sport, Animation, Photo and Graphics
- 3.6.14 Viewing Angle (Right/ Left): 178 (89/89) degree
- 3.6.15 Viewing Angle (Up/ Down): 178 (89/89) degree
- 3.6.16 Portrait/ Tilt Compatibility: Yes
- 3.6.17 Dimming Type: Frame Dimming
- 3.6.18 Backlight Type: Direct LED

3.7 Internal Storage: 16 GB

3.8 Warranty: 3 years comprehensive warranty on product provided by the brand from the date of purchase

4 LED TV - Smart, 65 Inch

4.1 Basic Indicative Diagram



4.2 Items included

- 4.2.1 65 Inch LED TV
- 4.2.2 AC Power Cord [?]
- 4.2.3 Operating Instructions[?]
- 4.2.4 Quick Setup Guide [?]
- 4.2.5 Remote Control [?]

4.3 Dimensions

- 4.3.1 Screen Size (measured diagonally) 65 Inch
- 4.3.2 Dimension of TV without stand (W X H X D) 1462 x 842 x 71 mm (+/- 5 %)
- 4.3.3 Bezel size Maximum 10 mm

4.4 Connectivity

- 4.4.1 Wi-Fi [?]
- 4.4.2 USB 1 Port
- 4.4.3 Ethernet 1 Port
- 4.4.4 HDMI 2 Port
- 4.4.5 Audio Output 1 Port

4.5 Sound Output 10 W + 10 W

- 4.5.1 Dolby Audio [?]
- 4.5.2 Speaker Position Down Firing

4.6 Display

- 4.6.1 Operating System Android TV
- 4.6.2 Picture Processor 4K
- 4.6.3 Contrast Ratio 1200:1
- 4.6.4 Dynamic Contrast Ration 400,000:1
- 4.6.5 Response Time (ms) Maximum 10
- 4.6.6 4K HDR [?]
- 4.6.7 Display Resolution (H X V pixels) 3840 X 2160
- 4.6.8 Aspect Ratio: 16:9
- 4.6.9 Brightness (cd/m²) 350
- 4.6.10 Live Colour [?]
- 4.6.11 Multi Language Display [?]
- 4.6.12 Inbuilt Signage Application
- 4.6.13 Picture Mode Setting as Vivid, Standard, Custom, Cinema, Sport, Animation, Photo and Graphics [?]
- 4.6.14 Viewing Angle (Right/ Left) 178 (89/89) degree
- 4.6.15 Viewing Angle (Up/ Down) 178 (89/89) degree
- 4.6.16 Portrait/ Tilt Compatibility Yes
- 4.6.17 Dimming Type Frame Dimming
- 4.6.18 Backlight Type Direct LED

4.7 Internal Storage: 16 GB

4.8 Warranty: 3 years comprehensive warranty on product provided by the brand from the date of purchase

5 Podium with PA System

5.1 Basic Indicative Diagram



5.2 Basic Item Specification

- 5.2.1 Podium consist of a complete PA system integrated inside an attractive and elegant black steel body & wooden top
- 5.2.2 The podium comes complete with built in 60 W amplifier, Speakers, MP3 compatible USB / SD card port, playback cum recording facility, FM player and wireless microphone receiver
- 5.2.3 The podium is fitted with an adjustable reading lamp and two flexible gooseneck wired microphone
- 5.2.4 The podium becomes a complete integrate solution with a foldable Table for Laptop etc. for sound system needs of conference and seminar rooms.

5.3 Standard Accessories

- 5.3.1 Amplifier
 - 5.3.1.1 Power Output: 60 Watts Max
 - 5.3.1.2 Speaker Impedance (External): 4 Ohm
- 5.3.2 Input Channel Sensitivity
 - 5.3.2.1 Mic 1: 12mV
 - 5.3.2.2 Mic 2: 7mV
 - 5.3.2.3 Line: 130mV
 - 5.3.2.4 Aux: 350mV
 - 5.3.2.5 Frequency Response: 100-16000Hz
- 5.3.3 Tone control:
 - 5.3.3.1 Bass: +/- 10dB
 - 5.3.3.2 Treble: +/- 10dB
- 5.3.4 Rec. Output: 1 V (normal)
- 5.3.5 Power Supply: AC 230V 50 Hz
- 5.3.6 Power Consumption: 100 W
- 5.3.7 Wireless Microphone: Qty 2 Nos.
 - 5.3.7.1 Microphone: Dual Channel Dynamic Microphones
 - 5.3.7.2 Carrier: RF
 - 5.3.7.3 Frequency Response: 50-15000 Hz
 - 5.3.7.4 Dynamic range: 100 db
- 5.3.8 Battery: Provided
- 5.3.9 Operation Manual

- 5.4 Other Features
 - 5.4.1 Compact, versatile and easy to assemble wireless Lectern amplifier with built in 60 W amplifier
 - 5.4.2 Contains a built in speaker system consisting of 3 no's 4" coated dual cone woofer and one 2" tweeter.
 - 5.4.3 Provision for connecting external speaker
 - 5.4.4 Supplied with two detachable flexible Gooseneck condenser microphones and an adjustable reading light for the podium top
 - 5.4.5 Contains a built in Dual Channel VHF wireless microphone diversity receiver.
 - 5.4.6 High quality VHF handheld wireless microphones (2 nos) provided
 - 5.4.7 Provision for connecting a wired microphone through a 6.3 mm phone jack
 - 5.4.8 Built in digital recorder cum MP3 player, which can record on USB pen drive or SD cards
 - 5.4.9 Facility for connecting a stereo auxiliary source through L7 R RCA plug
 - 5.4.10 Separate output connectors for LINE OUT & REC OUT through mini male XLR & 6.3mm phone socket respectively. Allowing the lectern system to be connected to external amplifiers for further amplification, if required.
 - 5.4.11 Foldable Table for Laptop etc
 - 5.4.12 Tonal adjustment can be done through cut-boost type Bass & Treble controls.
 - 5.4.13 Rugged and stable floor standing base
- 5.5 Dimensions
 - 5.5.1 Overall Length in mm: 880 Approx.
 - 5.5.2 Overall Width in mm: 420 Approx.
 - 5.5.3 Overall Height in mm: 1100 Approx.
 - 5.5.4 Gross Weight: 30 kg
- 5.6 Electric Supply: 230V AC