

**PRASAR BHARATI**  
**BROADCASTING CORPORATION OF INDIA**  
**DOORDARSHAN KENDRA,**  
**DOORDARSHAN BHAWAN PHASE-II**  
**NEW DELHI**

**Specifications for High Quality Integrated Audio/Video HD/SD**  
**Broadcast Monitor**

Specs No.: DDK\_DLH\_SPECS\_INEG\_MON\_01-11 dated 5.1.2011

**1. SCOPE :**

These specifications lay down the performance requirements of a two channel integrated audio/Video broadcast Monitor for utilizing in Broadcast TV Studios, MSR/Feed Room and other transmission areas of TV broadcast setup.

**2. GENERAL:**

The high quality 2 channels Audio/Video broadcast monitor shall be capable of accepting 2 HD/SD-SDI video inputs and resulting image is displayed on a high quality 4.3-4.5" TFT video display along with audio monitoring through LED bars and speakers. The equipment should be of broadcast quality, very reliable and self contained with 19" rack mount. It should be user friendly and convenient to operate for optimum utilization of all features. The equipment being quoted against this specification should be 2/3 U rack mount with alarm facility for audio over/ under level, and sustained anti-phase etc.

**3. ESSENTIAL FEATURES :**

- 3.1 The offered equipment should be reliable and proven one. User list of other broadcast organization where the offered equipment has already been provided should be enclosed along with the quote.
- 3.2 The offered unit should be capable of showing input levels on 8 high-resolution, multi-colour bar graph meters with user adjustable colour transition points.
- 3.3 The unit should have High quality magnetically screened speakers to provide high SPL audio reproduction with system limiting.

**4. TECHNICAL SPECIFICATIONS :**

Sr. No.	Description	Parameters
1.	Inputs	2 x HD/SD-SDI, (Two independent SDI inputs), Auto Selectable on BNC
2.	SDI Input Termination	75 Ohm unbalanced
3.	SDI Output	Loop Through SDI Outputs (Reclocked Output)
4.	No. of Video Display	One
5.	Display Resolution	≥800H x 480V
6.	Controls	Chroma, contrast, picture
7.	Screen	TFT 4.3 to 4.5" Diagonal

8.	Audio Level meters	8 x high resolution tri colour LED bar graph
9.	Built-in-Speakers	Two
10.	<b>Peak Acoustic Output @ 2 feet</b>	Approx 104 dB SPL
11.	Meter Scales	VU/PPM
12.	Speaker driver	Magnetically shielded
13.	Noise	>75 dB below full output
14.	Power Input Connector	220 V , 50/60 Hz IEC detachable 3 wire power cord
15.	Operating Temperature	10 – 45 degree C

5. **Warranty:** The offered equipment should have warranty of two years from the date of supply.
  
6. **Accessories:** The offered equipment should be supplied with all the essential accessories that are required to complete the system. It will be the responsibility of the bidder to ensure the completeness of the system.