



HUBBELL
iStation

Audio/Video Connectors, 15-pin Screw Terminal

iSTATION™ Front-Loading
Footprint.

Seamless Hubbell System
Integration.

High Density Space Utilization.

Solder Free Connection.



SPECIFICATIONS

- ◆ **Connector:**
15-pin PCB Mount.
15-pin Contact: Gold Plated 2μ".
Screw Term Contact: Brass with Nickel-plating.
- ◆ **Performance:** VGA, SVGA, XGA, SXGA.
- ◆ **Recommended Max Cable Distance:**
 - 100 ft. resolution: 800 x 600
 - 75 ft. resolution: 1224 x 768
 - 50 ft. resolution: 1280 x 1024

Hubbell's high-density DB15 screw termination connections provide an easy way to run a VGA style application when depth and capacity is an issue. The high performance, high quality video connection is designed for minimal signal loss delivering a video stream to the viewing device.

Providing flexibility and ease-of-use for VGA applications, our DB15 screw termination connector fits into a high-density 1 unit **iSTATION™** module allowing for 2 additional units to be placed into a single-gang face plate for additional applications.

Create a customized multimedia work station outlet by adding a high-density DB15 screw termination connector along with Hubbell's extensive line of AV connectors, **iSTATION™** modules and **XCELERATOR™** jacks.

CABLE TERMINATION

Cable Type:
RGBVH, 75 Ohm 20-30 AWG
• 5 mini Coax.

Computer/Monitor Cable, 75 Ohm 20-30 AWG
• 3 mini Coax w/ at least 2 Twisted Pairs.

APPLICATIONS SUPPORTED

- ▲ Projectors.
- ▲ Flat panel monitors.
- ▲ Smart whiteboard technology.
- ▲ Desktop and laptop computers.

CONNECTOR TERM

The common 15-pin VGA connector found on most video cards, computer monitors, and other devices, is almost universally called "HD-15". HD stands for "high-density", which distinguishes it from connectors having the same form factor but only 2 rows of pins.

"VGA connectors" and their associated cabling are almost always used solely to carry analog component RGBHV (red - green - blue - horizontal sync - vertical sync) video signals along with DDC2 digital clock and data.

INSTALLATION TIPS

Important: Always allow for clearance behind connection location to ensure for proper bend radius.

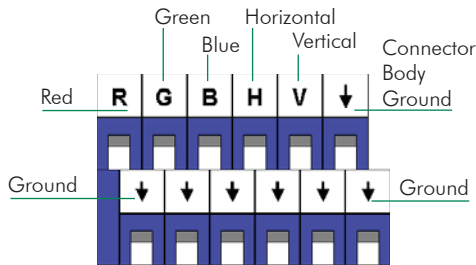
NOTE: Termination Tips and Instructions are located on page 2.

INSTALLATION TIPS

5- Mini Coax: Bring RGBVH “Mini Coax Cable” to the rear of the screw terminal connector. Strip back mini coax cable, terminate the signal conductor into the top of the screw terminal. Terminate the shield (ground) into the bottom of the of the screw terminal connector. Example: Red Coax to the “R” part of the screw terminal connector. Follow the same procedure for the other 4 mini coax cables with their designated spots on the screw terminal connector, (Blue to B, Green to GN, White to H, Black to V). If there is a drain wire or an over all shield this will be terminated in to the last screw terminal connector on the left.

Computer/Monitor Cable: Follow same instructions as stated above for the 3 Mini RGB coax cables and overall shield/drain wire. Use 2 of the pairs of the UTP (Unshielded Twisted Pairs) for the Horizontal and Vertical Sync. Note: due to different types of this style cable UTP colors and pair counts may change inside the overall jacket. Important: Make sure when terminating H and V with UTP use the same pair color combinations on each end of the the cable. Hubbell’s recommendation is to standardize on these pair color combinations for the entire job. Pick one of the pairs to terminate the horizontal sync. Terminate the solid color conductor into the top row of the screw terminal and the Solid/white conductor into the bottom. Follow the same procedure for the vertical sync.

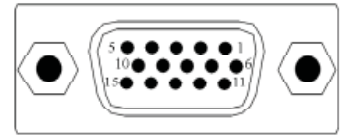
REAR CONNECTOR PIN-OUT



Recommended Cable Mini Coax, 75 Ohm.

FRONT CONNECTOR PIN-OUT

- 1 Red Data Computer
- 2 Green Data Computer
- 3 Blue Data Computer
- 4
- 5
- 6 Red Ground
- 7 Green Ground
- 8 Blue Ground
- 9
- 10 Sync Ground
- 11
- 12
- 13 Horizontal Sync
- 14 Vertical Sync
- 15



COLOR CODE CHART

Red VGA/BNC	Red or Pr/Cr Chrominance
Green VGA/BNC	Green or Luminance
Blue VGA/BNC	Blue or Pb/Cb Chrominance
White VGA/BNC	Horizontal Sync
Black VGA/BNC	Vertical Sync

VGA DESIGNATIONS AND SPECIFICATIONS

Standard	Resolution	Aspect Ratio	# Pixels	Data Rate - MB/s	Data Rate - Mbps
QVGA	320x240	4:3	76,800	13.8	110
VGA	640x480	4:3	307,200	55.3	442
WVGA	853x480	16:9	409,440	73.7	590
SVGA	800x600	4:3	480,000	86.4	691
XGA	1024x768	4:3	786,432	141.6	1133
720 HD	1280x720	16:9	921,600	165.9	1327
WXGA	1368x768	16:9	1,050,634	189.1	1513
SXGA	1280x1024	5:4	1,310,720	235.9	1887
SXGA+	1400x1050	4:3	1,470,000	264.6	2117
UXGA	1600x1200	4:3	1,920,000	345.6	2765
1080HD	1920x1080	16:9	2,073,600	186.6	1493
QXGA	2048x1536	4:3	3,145,728	566.2	4530
QSXGA	2560x2048	5:4	5,242,880	943.7	7550
QUXGA	3200x2400	4:3	7,680,000	1382.4	11059



AV Connector, 15-pin Screw Terminal



Qty.	Catalog No.
10-pack	15ST10

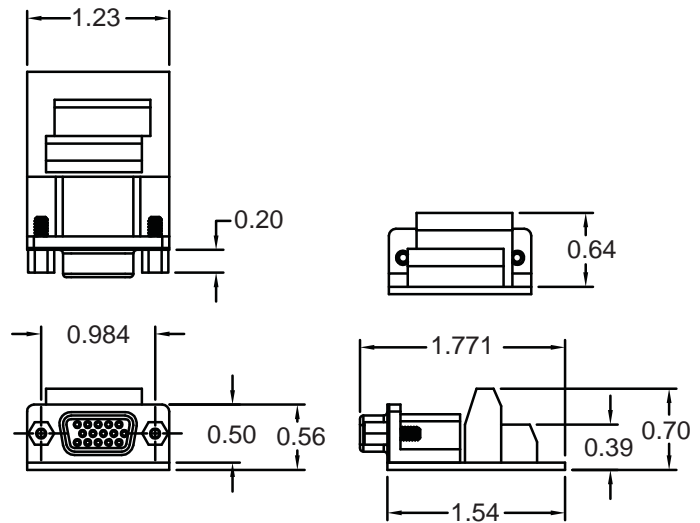
Unloaded 15-/9-pin HDMI Plates, Frames, Modules

Description	Catalog No.
HDMI 15/9-pin Blank, Unloaded, 1 Unit, 10-pk	IMBDS1XX
HDMI/15/9-pin Blank, Angled Unloaded, 1.5 Unit, 1-pk	IMBDSA15XX
HDMI 15/9-pin AV, Panel Mount Connector, 3.5mm, Blank, 2 Unit, 1-pk	IMB153X2XX
HDMI 15/9-pin, 3.5mm, Blank, 1.5 Unit 10-pk	IMB15315XX
HDMI 15/9-pin, Decorator Frame, 1-gang, 1-pk	ISFB15XX

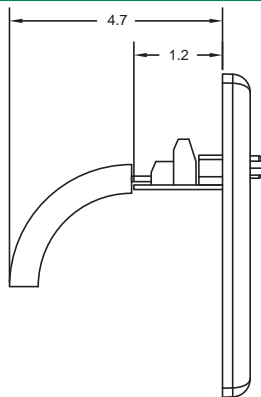
XX = Housing Colors

"AL" = Almond; "BK" = Black; "EI" = Electric Ivory; "GY" = Gray; "LA" = Light Almond; "OW" = Office White; "W" = White.

DIMENSIONS



CONNECTOR DEPTH CHART



iSTATION™ COMPATIBLE

Work Station and Cross-Connect Solutions

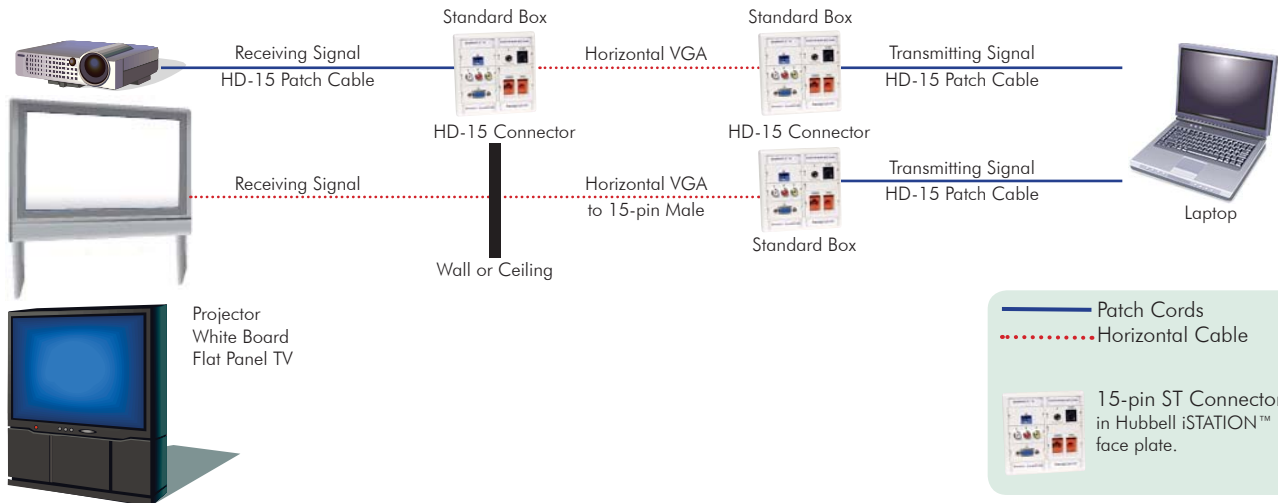
- iSTATION™ Front-loading Plates
- Decorator Frames
- iSTATION™ UDX Multimedia Panels
- iFRAME® Vertical Patch Panel

Hubbell Delivery Systems

- Hubbell SystemOne Poke-Throughs and Floor Boxes
- Hubbell Surface Raceway, Metal and Non-Metallic
- Multi-Connect™ Wall Boxes/Conference Table Boxes



TYPICAL APPLICATIONS



— Patch Cords
 Horizontal Cable

15-pin ST Connector in Hubbell iSTATION™ face plate.



Hubbell Premise Wiring

HUBBELL INCORPORATED (Delaware)
 14 Lord's Hill Road • Stonington, CT 06378-0901 • (860) 535-8326 • 800-626-0005
 Fax: (860) 535-8328 • Internet site: <http://www.hubbell-premise.com>

Worldwide Locations

Hubbell Premise Wiring, Asia Pacific	852-2836-7131	Fax: 852-2836-7132	Hubbell Premise Wiring, Latin America	305-408-4501	Fax: 305-408-8201
Hubbell Canada Inc.	905-839-1138	Fax: 905-839-9108	Hubbell de Mexico, S.A. de C.V.	(5255) 9151-9999	Fax: (5255) 9151-9989
Hubbell Premise Wiring, Central America	506-309-4158	Fax: 506-260-1616	Hubbell Premise Wiring, Middle East	971-4-393-4192	Fax: 971-4-393-4194
Hubbell Premise Wiring, China	86-21-6374 2660	Fax: 86-21-6374 2799	Hubbell Premise Wiring, Puerto Rico	787-855-1075	Fax: 787-855-3265
Hubbell Premise Wiring, Europe	44-01283 500500	Fax: 44-01283 500400	Hubbell-Taian Co., Ltd., Taiwan	886-2-2522-1862	Fax: 886-2-2522-1872
Hubbell Premise Wiring, India	91-80-4022-4089	Fax: 91-80-4022-4033	Hubbell Premise Wiring, Venezuela	58-212-5156482	Fax: 58-212-6627258
Hubbell Int'l. Inc., Korea Branch	(82 2) 2607 1363	Fax: (82 2) 2603 7386			