# Bullet Train
**ULTRA HIGH BANDWIDTH / ULTRA HIGH SPEED HDMI CABLES**

## PERFORMANCE AUTHENTICATION
# CERTIFICATE

Models: 48Gbps Bullet Train Cables

This authentication certificate is provided for Bullet Train Cables to confirm that the performance and accuracy of these cables have been inspected and manufactured within the highest standards and specifications of Murideo, ISF (Imaging Science Foundation), and HDMI®.

Bullet Train's High-Speed HDMI® Cables are tested and certified by Murideo & ISF's Test Center to ensure they support all features in the latest HDMI® specification. Murideo and ISF use the latest testing to ensure proper manufacturing and data flow processing of these professional grade HDMI cables. Testing and holding facilities are in a controlled location where temperature and humidity can be maintained at a constant level as to not interfere with the products.

UL listed and CSA certified for indoor spaces. These cables are encased in a fire-resistant Plenum (CMP Rated) jacket. Guaranteed to work with all modern 4K equipment, the High-Speed HDMI® Cable is the perfect choice for all your 4K and High-Speed HDMI display needs.

- ✔ HDCP 2.3
- ✔ 48 Gbps
- ✔ HDR / Dolby Vision
- ✔ 8K120 (4:4:4)
- ✔ Hybrid Log Gamma

- ✔ Dynamic HDR Metadata
- ✔ Variable Refresh Rate
- ✔ 7.1 Audio, Dolby Audio, DTS Audio
- ✔ Audio Return Channel (5-60M)
- ✔ Enhanced Audio Return Channel (5-20M)

- ✔ CEC Functions
- ✔ Fixed Rate Link
- ✔ ITU-R BT.2020
- ✔ HDMI 2.1

We declare that the above list conforms with the provisions set by their respected standards and by Bullet Train's standards. The Bullet Train HDMI cables have passed Murideo & Imaging Science Foundation inspection and are ready for use. If you find anything to be different than stated, please contact us immediately.

CE    FC

(UL) UL Certified: UL 444/CSA C22.2 No. 214

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FOUNDATION, INC
isf

MURIDEO
TESTED AND APPROVED

| | Resolution | Chroma | Bit Depth | HDR (10 & 12 bit only) | bandwidth uncompressed | bandwidth compressed (DSC) |
|---|---|---|---|---|---|---|
| **UHD & 4K** | 3840 x 2160 & 4096 x 2160 24–30p | 4:4:4 | 8 Bit | | 9 Gbps | N/A |
| | | 4:4:4 | 10–12 Bit | X | 18 Gbps | N/A |
| | | 4:2:2 | 10–12 Bit | X | 9 Gbps | N/A |
| | 3840 x 2160 & 4096 x 2160 48–60p | 4:4:4 | 8–12 Bit | X | 18 Gbps | 9 Gbps |
| | | 4:2:2 | 8–12 Bit | X | 18 Gbps | 9 Gbps |
| | | 4:2:0 | 8 Bit | | 9 Gbps | 9 Gbps |
| | | 4:2:0 | 10–12 Bit | X | 18 Gbps | 9 Gbps |
| | 3840 x 2160 100–120p | 4:4:4 | 8 Bit | | 32 Gbps | 18 Gbps |
| | | 4:4:4 | 10 Bit | X | 40 Gbps | 18 Gbps |
| | | 4:4:4 | 12 Bit | X | 48 Gbps | 18 Gbps |
| | | 4:2:2 | 8–12 Bit | X | 32 Gbps | 9 Gbps |
| | | 4:2:0 | 8 Bit | | 18 Gbps | 9 Gbps |
| | | 4:2:0 | 10–12 Bit | X | 24 Gbps | 9 Gbps |
| | 4096 x 2160 100–120P | 4:4:4 | 8 Bit | | 32 Gbps | 18 Gbps |
| | | 4:4:4 | 10 Bit | X | 40 Gbps | 18 Gbps |
| | | 4:4:4 | 12 Bit | X | 48 Gbps | 18 Gbps |
| | | 4:2:2 | 8–12 Bit | X | 32 Gbps | 18 Gbps |
| | | 4:2:0 | 8 Bit | | 18 Gbps | 9 Gbps |
| | | 4:2:0 | 10–12 Bit | X | 24 Gbps | 9 Gbps |
| **8K** | 7680 x 4320 24–30p | 4:4:4 | 8 Bit | | 32 Gbps | 18 Gbps |
| | | 4:4:4 | 10 Bit | X | 40 Gbps | 18 Gbps |
| | | 4:4:4 | 12 Bit | X | 48 Gbps | 18 Gbps |
| | | 4:2:2 | 8–12 Bit | X | 32 Gbps | 9 Gbps |
| | | 4:2:0 | 8 Bit | | 18 Gbps | 9 Gbps |
| | | 4:2:0 | 10–12 Bit | X | 24 Gbps | 9 Gbps |
| | 7680 x 4320 48–60p | 4:4:4 | 8–12 Bit | X | N/S | 24 Gbps |
| | | 4:2:2 | 8–12 Bit | X | N/S | 18 Gbps |
| | | 4:2:0 | 8 Bit | | 32 Gbps | 18 Gbps |
| | | 4:2:0 | 10 Bit | X | 40 Gbps | 18 Gbps |
| | | 4:2:0 | 12 Bit | X | 48 Gbps | 18 Gbps |
| | 7680 x 4320 100–120p | 4:4:4 | 8–12 Bit | X | N/S | 40 Gbps |
| | | 4:2:2 | 8–12 Bit | X | N/S | 40 Gbps |
| | | 4:2:0 | 8–12 Bit | X | N/S | 32 Gbps |
| **10K** | 10240 x 4320 24–30p | 4:4:4 | 8 Bit | | 40 Gbps | 18 Gbps |
| | | 4:4:4 | 10–12 Bit | | N/S | 18 Gbps |
| | | 4:2:2 | 8–12 Bit | | 40 Gbps | 18 Gbps |
| | | 4:2:0 | 8 Bit | | 24 Gbps | 9~24-25p, 18~30p |
| | | 4:2:0 | 10–12 Bit | | 32 Gbps | 9~24-25p, 18~30p |
| | 10240 x 4320 48–60p | 4:4:4 | 8–12 Bit | | N/S | 32 Gbps |
| | | 4:2:2 | 8–12 Bit | | N/S | 24 Gbps |
| | | 4:2:0 | 8 Bit | | 40 Gbps | 18~48, 24~50/60 |
| | | 4:2:0 | 10–12 Bit | | N/S | 18~48, 24~50/60 |
| | 10240 x 4320 100–120p | 4:4:4 | N/S | | N/S | N/S |
| | | 4:2:2 | 8–12 Bit | | N/S | 48 Gbps |
| | | 4:2:0 | 8–12 Bit | | N/S | 40 Gbps |

N/S = Not Supported