

Video Capture Card

TRI-AVH-H2U3P8K-6826

Large venues | Live events & performing arts | Auditorium | planetarium | Network Operation Centers

Features:

- HDMI™ video and audio streams over USB 3.2 Gen 1.
- Supports HDMI™ INPUT & loop out up to 8K@60Hz, 4K2K@144Hz with HDR.
- Captures 4K60fps, 2560x1440@144fps with uncompressed quality.
- Mix HDMI™ mic and line-in audio with precision to output via 3.5mm analog output ports and USB capturing port and its supports HDMI embedded audio.
- Works on multiple operation system platforms (Windows 7/10/11, Mac OS and Linux OS)
- Compatible with USB 3.2 Gen 1, transmission rate up to 5Gpbs
- Compatible with OBS, Stream labs, Vmix, Zoom, Microsoft Teams, and more
- Supports YUY2, NV12, I420, MJPEG video capture format
- Simple plug and play, no driver download and installation setting required



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Technical specifications

Parameter	Value
HDMI™ Compliance	HDMI™ 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps
USB Bandwidth	5Gbps
Video Resolution (Input & Output)	Up to 8K@60Hz, 4K2K@144Hz * All available resolutions are shown in the table.
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Color Depth	8/10/12-bit
HDMI™ Audio Formats	Maximum Channels: 8 Channels Sampling Rate (kHz): 32, 44.1, 48, 88.2, 96, 176.4, 192 Bitstream: Standard & High-definition
USB Audio Formats	Maximum Channels: 2 Channels Sampling Rate (kHz): 44.1, 48 Bitstream: None
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection	
Input	1× IN [HDMI™ Type A, 19-pin female] 1× MIC IN [3.5mm audio jack] 1× LINE IN [3.5mm audio jack]
Output	1× OUT [HDMI™ Type A, 19-pin female] 1× LINE OUT [3.5mm audio jack] 1× USB-C [USB-C port, 12-pin female]
Mechanical	
Housing	Aluminum Enclosure
Color	Silver
Dimensions	114mm [W] × 82mm[D] × 22mm [H]
Weight	180g
Power Supply	USB Power Supply
Power Consumption	5.8W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Operating Humidity	20% - 80% (relative humidity, non-condensing)
Storage Humidity	10% - 90% (relative humidity, non-condensing)

For the most current specification information, please visit tri-star.co.in

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All available input/output resolutions

HDMI™ Resolutions		640x480p60Hz, 800x600p60Hz, 1024x768p60Hz, 1280x1024p60Hz, 1360x768p60Hz, 1440x900p60Hz, 1440x1050p60Hz, 1600x1200p60Hz, 720x480i59.94Hz(480i59), 720x480p59.94Hz(480p59), 720x576i50Hz(576i50), 720x576p50Hz(576p50), 1280x720p50Hz(720p50), 1280x720p59.94Hz(720p59), 1280x720p60Hz(720p60), 1920x1080i50Hz(1080i50), 1920x1080i59.94Hz(1080i59), 1920x1080i60Hz(1080i60), 1920x1080p23.98Hz(1080p23), 1920x1080p24Hz(1080p24), 1920x1080p25Hz(1080p25), 1920x1080p29.97Hz(1080p29), 1920x1080p30Hz(1080p30), 1920x1080p50Hz(1080p50), 1920x1080p59.94Hz(1080p59), 1920x1080p60Hz(1080p60), 3840x2160p23.98Hz(2160p23), 3840x2160p24Hz(2160p24), 3840x2160p25Hz(2160p25), 3840x2160p29.97Hz(2160p29), 3840x2160p30Hz(2160p30), 3840x2160p50Hz(2160p50), 3840x2160p59.94Hz(2160p59), 3840x2160p60Hz(2160p60), 3840x2160p100Hz(2160p100), 3840x2160p120Hz(2160p120), 4096x2160p23.98Hz, 4096x2160p24Hz, 4096x2160p25Hz, 4096x2160p29.97Hz, 4096x2160p30Hz, 4096x2160p50Hz, 4096x2160p59.94Hz, 4096x2160p60Hz, 4096x2160p100Hz, 4096x2160p120Hz 5120x2160p50Hz, 5120x2160p60Hz, 7680x4320p23.98Hz, 7680x4320p24Hz, 7680x4320p25Hz, 7680x4320p29.97Hz, 7680x4320p30Hz, 7680x4320p50Hz, 7680x4320p60Hz
UVC Resolutions	NV12/I420	3840x2160@30 and lower FPS, 2560x1440@60 and lower FPS, 1920x1080@120 and lower FPS, 1280x720@120 and lower FPS, 720x576@50 and lower FPS, 720x480@60 and lower FPS, 640x480@60 and lower FPS
	YUY2	2560x1440@60 and lower FPS, 1920x1080@60 and lower FPS, 1280x720@120 and lower FPS, 720x576@50 and lower FPS, 720x480@60 and lower FPS, 640x480@60 and lower FPS
	MJPEG	3840x2160@60 and lower FPS, 2560x1440@120 and lower FPS, 1920x1080@120 and lower FPS, 1280x720@120 and lower FPS, 720x576@50 and lower FPS, 720x480@60 and lower FPS, 640x480@60 and lower FPS