

Wirecast Gear 4K

Product Sheet



Wirecast Gear 4K

The most powerful, fully-integrated 4K streaming device in its price range.

Wirecast Gear Family

Wirecast Gear 4K is a family of turnkey live video streaming and broadcast production appliances. Fully integrated into a single device, Gear 4K provides plug-in-and-go live-streaming and video production for up to five HD or 4K SDI, or four HDMI, sources. Live sports, news broadcasting, worship streaming, and live/virtual event production is now available in one ready-to-go, convenient, rack-mountable unit.

Every Gear 4K unit comes with an ultra-fast AMD Ryzen six-core processor, NVIDIA Quadro GPU for acceleration and encoding, Wirecast Pro software with Stock Media Library for video production and switching, and Switch Player to inspect and monitor the quality of your content. Built as a flexible Windows machine, Gear also supports common applications such as Microsoft Teams, Zoom, Adobe Creative Cloud, and more as the most comprehensive, configurable, and professional hardware appliance in its class. Elevate event production with ease and without stress when you take advantage of our top-of-the-line Wirecast GearCare support.

Key Features

Product Features	Wirecast Gear 4K HDMI	Wirecast Gear 4K SDI
NDI Input/Output		✓
1080p60 NDI Inputs		10+
1080p30 NDI Inputs		12+
Integrated NVIDIA Quadro GPU		✓
HDMI inputs	4 x 4Kp60	
SDI inputs	1 x 1080p60	4 x 4Kp60 1 x 1080p60
SDI Monitor output	1 x 1080p60	1 x 1080p60 optional 1 x 4Kp60 ²
Mini DisplayPort 1.4 Outputs		4
Chassis (16.7" x 12" x 3.5")	2RU Chassis (including convertible configuration for standard 19" rackmount or set-top box with feet)	
Operating System	Microsoft Windows 10 Enterprise IoT LTSC 2021	
Input Configuration	4 HDMI ports 1 3G-SDI port	4 HDMI ports 1 3G-SDI port
Storage (in addition to system drive ³)	1 TB (~20 hrs of HD video ⁴)	
Award-Winning live video streaming & production software (including PTZ Camera Control, NDI support, ISO recording, and multi-streaming)	Telestream Wirecast Pro	
Award-Winning media playback, encoding, and correction software (including high-quality multiformat video QC, transcoding, visual file inspection, and captions)	Telestream Switch Player	

¹Wirecast Gear 4K is currently available for order only in the United States, Albania, Australia, Bahrain, Bosnia & Herzegovina, Brazil, Canada, Chile, Colombia, Costa Rica, Croatia, Egypt, European Free Trade Association, European Union, Hong Kong, Indonesia, Israel, Kuwait, Lebanon, Macedonia, Montenegro, New Zealand, Oman, Panama, Peru, Qatar, Singapore, United Arab Emirates, and the United Kingdom. Available countries list is subject to change. Prices do not include taxes, shipping, customs fees, currency conversion, or other costs, where applicable. ²Requires reassignment of one full-resolution input. ³System drive is 250GB on all systems. ⁴Based on H.264 1080p 29.97fps medium quality. Higher or lower quality settings will affect total video storage.



Wirecast
Gear 4K HDMI



Wirecast
Gear 4K SDI



Technical Specifications:

Hardware

Internal Configuration (all models):

- CPU: AMD Ryzen 5 5600X 6-core/12-thread 4.6GHz (max)
- Motherboard Chipset: AMD X570
- GPU: NVIDIA Quadro T400 (HD models) / T1000 (4K models)
- Memory: 16GB DDR4-3200
- System Drive: 250GB NVMe M.2
- Storage Drive: 1TB SATA3
- USB: USB 3.1 Gen 2 (1xUSB-C rear + 4xUSB-A rear), USB 3.1 Gen 1 (2xUSB-A front, 2xUSB-A rear)
- Network: 2xRJ-45 IEEE 802.3ab Gigabit Ethernet
- Audio: 2-ch Line In/Out, Mic In/Out + Front Line Out / Mic In + Ls/Rs/Lb/Rb/C/S
- User Input: Microsoft Wireless Keyboard/Mouse
- Accessories: 6'/183cm IEC 60320 C-14 3-pin cable (grounded plug determined by area of sale), Mini DisplayPort to DisplayPort adapter

Video Inputs and Outputs (by model):

- Display Output –
 - Wirecast Gear 4K HDMI: 4x Mini DisplayPort 1.4 3840x2160 @ 60Hz max + 1x 3G-SDI SMPTE 422M, 1920x1080 @ 60Hz max
 - Wirecast Gear 4K SDI: 4x Mini DisplayPort 1.4 3840x2160 @ 60Hz max (Can assign one input instead to 12G-SDI SMPTE ST2082, 3840x2160 @ 60Hz max)
* Higher display port resolutions may be possible with reduced performance.
- Capture Input –
 - Wirecast Gear 4K HDMI: 4x HDMI 2.0b (non-HDCP) 3840x2160 @ 60Hz 4:4:4 max
 - Wirecast Gear 4K SDI: 4x 12G-SDI SMPTE ST 2082 3840x2160 @ 60Hz 4:2:2 max

Physical

- Dimensions: 16.7" x 12" x 3.5" (42.4cm x 30.5cm x 8.9cm), 2RU x19" w/handles
- Weight: 14.5-15.5 lb. (unit only)

Power

- Input Voltage: 100-240VAC RMS, 50-60Hz
- Input Current: 8A @ 115VAC 60Hz RMS, 4A @ 230VAC 50Hz RMS, Single Phase
- Input Connection: IEC 60320 C14 3-pin

Operating Temperature/Humidity

- 32° – 104° F @ 20-80% (operating), -4° – 185° F @ 10-90% (storage)