

INCAM-GV 5G

Grass Valley H.265 (HEVC) 4K UHD 5G
Wireless Camera Transmitter



The Vislink INCAM GV 5G is a fully integrated H.265 (HEVC) 4K UHD, HDR-ready wireless video transmitter and receiver, designed for use with Grass Valley's LDX 100 Series live production cameras. The INCAM GV 5G leverages the capabilities of private 5G cells in studios and stadiums, as well as public sliced 5G networks. It complements the latest design enhancements incorporated into the Grass Valley LDX 100 Series cameras for heightened usability and ergonomic operation.

The INCAM GV 5G delivers broadcast-quality encoding at multiple resolutions including 4K UHD, 1080p, 1080i and 720p. It facilitates the bonding of multiple IP connections in real time, enabling a blend of cabled and wireless applications at various venues. This enables seamless transition between wired and wireless operations during live broadcasts, enhancing reliability with hot failover capabilities.

Broadcast organizations can leverage the INCAM GV 5G's H.265 (HEVC) video coding technology to transmit high-quality images efficiently, even over minimal 5G bandwidth or constrained IP connections like Starlink and traditional wired networks.

With support for dual 5G cellular connections, in addition to WiFi and wired internet options, the INCAM GV 5G provides market-leading bonding connectivity and enables roaming between public and private 5G networks.

Key Features

H.265 (HEVC)/4K UHD Very Low Latency Encoder

HDR Ready

10-bit 4:2:2

FocalPoint compatible internal IP-based Camera Control

Remote control over Wi-Fi via web interface

2 × 5G modems supporting Private 5G

Data bonding supporting transparent IP connection

Return vision

Intercom functionality

Data channels for third-party devices including DMX lighting systems or robotic head controls to facilitate remote production setups

Typical Applications

Event Coverage

Newsgathering

Sports Coverage

Studio Cameras

INCAM-GV 5G Datasheet



Technical Specifications	
RF Output	
Modulation	ISDB-T, LMS-T, DVB-T, DVB-T2*
RF Frequency Output	Wideband 1.95-3GHz / 3.0-4.0GHz/ 4.0-5.0GHz/ 5.0-6.0GHz/ 6.0-7.5GHz*
RF Output Power	50 or 100 mW
Video Inputs	
1x HD/4K internal video connection	yes
Video Formats	
1x HD	480i50; 576i50; 720p@50/59.94/60; 1080i@50/59.94/60; 1080p@23/24/25/29/30/50/59.94/60
1x 4K	UHDp@23/24/25/29/30/50/59.94/60
Audio Inputs	
Embedded Audio	4x Embedded Audio
Video Compression	
H.265 (HEVC) Encoding	4:2:2 Chroma, 10-bit Luma
Audio Compression	
AAC and MPEG1 L2	yes
Remote Control	
WiFi remote control	Web browser
UHF Telemetry	Remote control commands
Telemetry	
UHF Input	410 to 490 MHz FSK over FM modulation
Camera Power and Control	
FocalPoint Control	Internal IP-based Camera Control
Power	
DC Power	Internally powered by the camera, controlled by camera on-off switch
Physical Connectors	
RF Out	SMA
UHF	N-connector

* *Licensable*

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