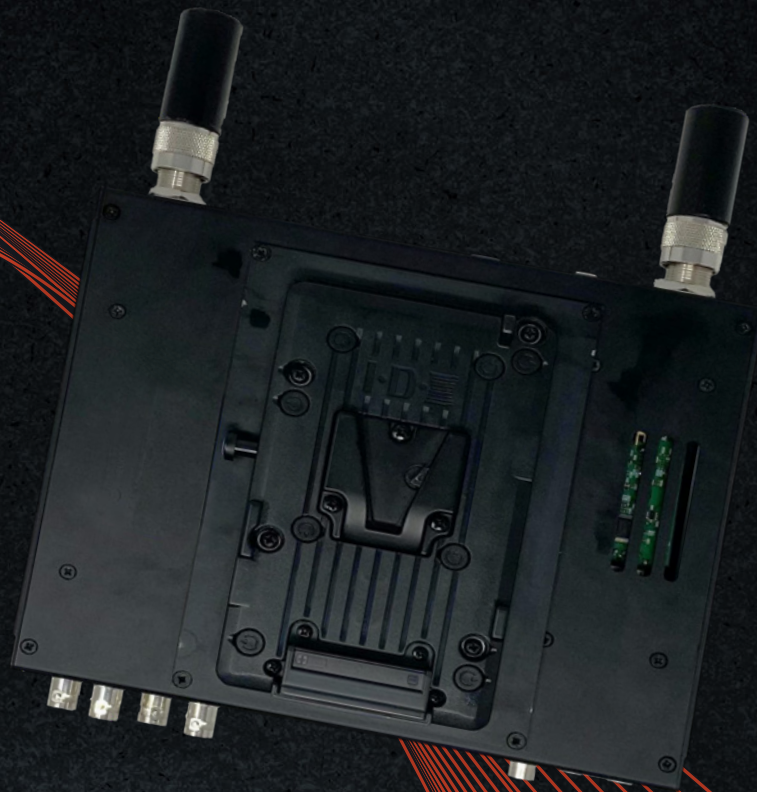




HELIOS RX



Engineered for the film industry

Exceptional picture quality using H.265 HEVC encoding, reliable COFDM RF, slimline design ultra low latency and the ability to dock with our HDR 7" monitor the Helios PRX' is the ultimate compact wireless video receiver for the film industry.

Rogue Waves lightweight receiver has been designed for the changing environments in the film industry, easy mounting using a wedge plate with 3/8 screw to allow pole mounting or the unit can be attached to the rear of a monitor with power pass using the battery plates. Complimented with 2 x HD-SDI interfaces that can be switched to 12G in when 4K decoding (licence upgrade).

The Helios HHRX supports onward streaming over SRT and other IP protocols.

Key points

- 10 bit 4:2:2 video
- 12g UHD Output
- Portable receiver system
- HEVC H.265 decoding
- 2 way diversity receive antennas
- Ultra Low-Latency sub 35ms
- 4K UHD processing
- Support for HD HDR
- Timecode signal insertion
- LUT
- Web browser control
- High Dynamic Range (HDR) Compatible
- Metadata passthrough
- Enhanced colour depth
- Crystal clear clarity

RF Key Points

- COFDM Ultra long range RF
- DVB-T
- Licenced frequencies
- Does not take up valuable wifi channels on set

The Helios range

The Helios range from Rogue Waves is designed from years of experience in broadcast and film industries using wireless systems, we have specifically constructed each component to be practical for the unpredictability of a film and TV set, while keeping it rugged and lightweight at the same time.

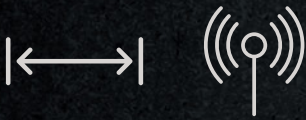
Using 10bit 422 sampling and bonded with low latency HEVC encoding allows for an exceptional video signal to be carried through the air with no visual loss, even when transmitting HDR or Camera native log images (S-Log, C-Log, 3G10, etc.)

A license upgrade allows the Helios* to transform into a 4K UHD system, using a 12G input from professional film and broadcast cameras.

*specific products only

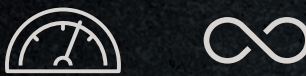


Overview



Ultra Long Range COFDM

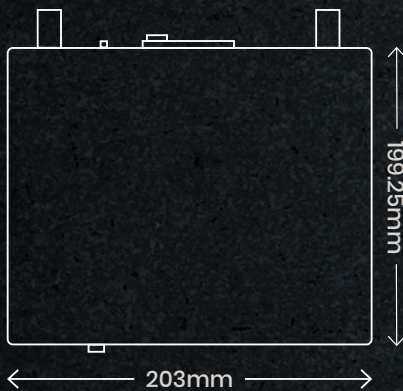
Keep away from Wifi frequencies



Ultra Low Delay

Unlimited simultaneous receivers

Dimensions



Specifications

Connectors	
Antenna	2 x NType
Video Out 1	BNC Female 75 ohm (HD = 3G SDI, 4K = 12G)
Video Out 2	BNC Female 75 ohm
Audio Out	Lemo 5 pin OB female
Network	RJ45
Power 12V In	Lemo OB 4 pin female
Genlock	Mini BNC
Monitor	Binder 6 pin
RF	
Antenna Input	2-2.7GHz, 5.5-6GHz, 7-7.5GHz
Tuning Step Size	250kHz
DVB-T Modulation	
DVB-T Bandwidth	8MHz, 7MHz and 6MHz modes
DVB-T Guard	1/32, 1/16, 1/8, 1/4
DVB-T FEC	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T Modulation	QPSK, 16QAM, 64QAM
Video	
Video Coding	HEVC H.265
Input Format	4:2:2/4:2:0, 8/10-bit
	2160p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60
	HD: 4:2:2/4:2:0, 8/10-bit
	720p / 50 / 59.94 / 60
	1080i / 50 / 59.94 / 60
	1080p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60
Audio	
Format	Embedded
Encoder	MPEG-1 Layer2, AAC-LC, Linear PCM
Quantity	4 pairs (8 pair if MPEG or Linear PCM)
Format	1 pairs line level
Control	
Local Buttons	Local OSD with left, right, up, down, enter and cancel
Remote	IP web browser Control
Streaming	
Format	SRT
Bitrate	To 50Mb/s
Dimensions	
Size (WxDxH)	199.25 x 203 x 62.12mm
Weight	500g
Mounting	VLock battery plate / AB plate removable, wedge and 3/8 screw, cheese plate mounting bar available to mount on sides
Power	
DC In:	9-36V DC
Power Consumption	20W



Contact us

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* Subject to change