

# MC-ENC-4K-1RU



4K HD/SD HDMI H.264 Encoder



## PRODUCT DESCRIPTION

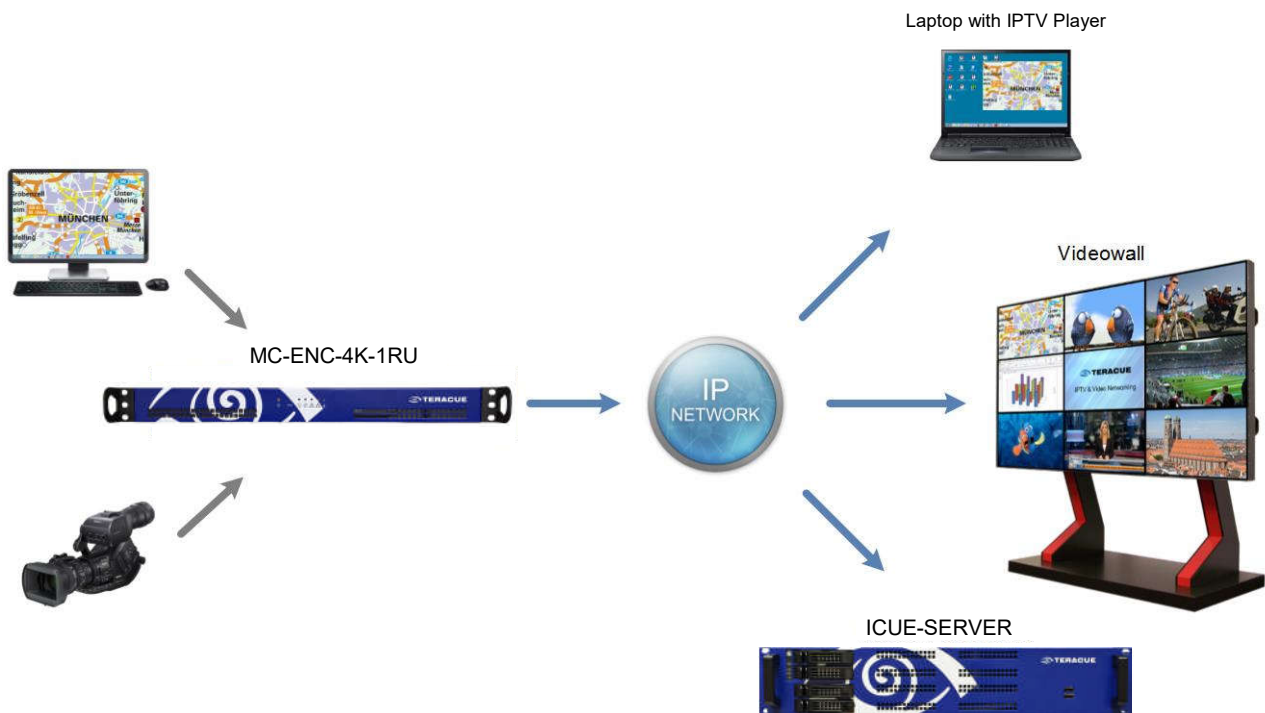
This 4K HD/SD H.264 Encoder is designed for IPTV and live streaming. It is ideal where single computer based DVI signals or HDMI signals are distributed or published on a network or the internet. The MC-ENC-4K-1RU mainly targets medical, military, control room and training applications where high resolutions up to 4K HDMI signals from medical instruments and cameras, radar devices, digital signage player, or any kind of PC desktop views - need to be shared, published, distributed and recorded.

## KEY FEATURES

- Real-time encoding of HDMI and DVI signals
- H.264 and MPEG-2 encoding
- Embedded HDMI audio
- HDMI video input
- Resolutions up to 4K 3840x2160
- Logo, time and text inserter
- Adjustable frame rate
- Up- and Downscaling
- UDP, RTP and HLS streaming
- Configuration by simple web interface

## APPLICATION

- Digital signage streaming
- Medical & campus TV
- Telemedicine
- Security monitoring
- Video monitoring
- Military IP transmission
- Training & research
- Broadcast & CDN IP contribution
- Wireless & mobile streaming
- IPTV/OTT streaming
- Control rooms & command centres
- Stadium & event TV



TECHNICAL SPECIFICATION:	
Video Input:	1 x HDMI
Video Resolution:	3840×2160@30/25fps, 1920×1080p@60/50/30/25/24fps, 1920×1080i@60/50fps, 1280×720p@60/50fps, 1280×1024p@60fps, 1280×960p@60fps, 1024×768p@60fps, 800×600p@60fps, 720×576p@50fps, 720×480p@60fps, 640×480p@60fps
Audio Input:	HDMI embedded audio
Audio Format:	Stereo / 16-bit / 32000 ~ 48000Hz
Video encoding:	H.264 (MPEG-4 AVC Part 10, ISO/IEC 14496-10). Profiles: Baseline, Main, High MPEG-2 (ISO/IEC 13818-2), Main Profile, High Profile
Video encoding bitrates:	250Kb/s – 50Mb/s, CBR/VBR
Video resolutions:	320x240 up to 3840x2160
Audio encoding:	MPEG-4 AAC, data rate 6-256 kbit MPEG-1 Layer 2, data rate 64-384 kbit sample rates: 48 kHz, 16Bit
Multiplex format:	ISO/IEC 13818-1 transport ISO/IEC 14496-10 NAL (Network Abstraction Layer)
Performance:	Streaming of up to 1× 4Kp30 or 2× 1080p60
Streaming Protocols:	TS over UDP, TS over RTP, TS over HTTP, HLS ISO/IEC 14496-10 NAL (Network Abstraction Layer) Multicast and Unicast IGMP, SAP
Protocols:	HTTP, TCP/IP control protocol, SNMP traps/alerts, DHCP
Management:	HTTP web browser, SOAP web service, Teracue API (AMX, Crestron & 3rd party support)
Operating system:	Windows7 64bit
Network:	2× 10/100/1000TX Ethernet, RJ45, half/full duplex, auto-sensing or manual control
ENVIRONMENTAL	
Chassis:	19", 1 RU
Dimensions:	43 x 482 x 407 mm (HxWxD)
Weight:	6,15 kg
Temperature:	+5 to +60°C environmental temperature
Power supply:	260 Watt PSU, typical 120 Watt, 100-240V, 47-63 Hz (for redundancy add 1RU-EXT-PS)
Limited warranty	1 year standard limited warranty. Warranty extensions available up to 5 years.
ORDER INFORMATION	
MC-ENC-4K-1RU	4K HD/SD HDMI H.264 Encoder with HDMI input and embedded audio. Requires MC-SMMAIN for first 12 month of installation.
MC-SMMAIN	Annual software maintenance for MC-ENC-4K-1RU. Free upgrades within same version number. Free telephone and email support within the standard working hours.
MC-ENC-4K-1RU-WE	One year warranty extension for a maximum of 5 years.
1RU-EXT-PS	Power supply for MC-TRANS-1RU appliance. Can be used as a spare part or for redundancy. Single 90-240VAC 50/60Hz power supply.