

ENC-500-HDMI



HD/SD H.265 (HEVC) & H.264 Encoder

PRODUCT DESCRIPTION

The ENC-500 encoder is designed for IPTV and live streaming. It is ideal where single computer based HDMI signals are distributed or published on a network or the internet. This encoder targets medical, military, control room and training applications where high resolution HDMI signals from medical instruments and cameras, radar devices, digital signage player, or any kind of PC desktop views need to be shared, published and distributed and recorded.

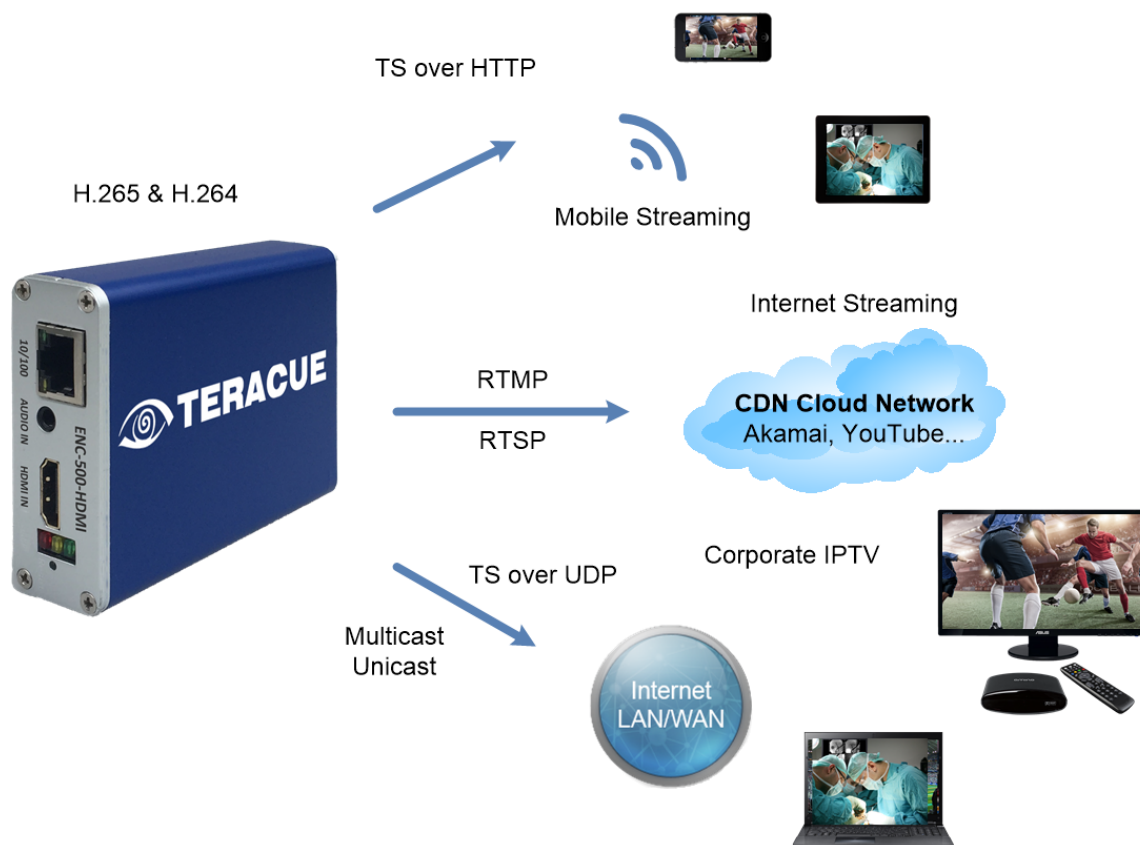


KEY FEATURES

- H.265 (HEVC) Main profile, H.264 baseline, main and high profile
- Up to 1920x1080
- Embedded and analog audio input
- Logo inserter
- Adjustable frame rate and auto scaler
- RSTP, HTTP, RTMP and UDP streaming
- Fanless, lightweight aluminum chassis
- Low power consumption < 5 Watt, 12 Volt
- Web GUI configuration

APPLICATION

- IPTV solutions
- AV over IP streaming
- Broadcast contribution
- Event webcasting & internet streaming
- Digital signage streaming
- Training & education
- Medical & campus TV
- Remote desktop streaming
- Wireless & mobile streaming
- Networked conference room
- Control room & HQ surveillance



TECHNICAL SPECIFICATION:

HDMI input:	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 up to 1920x1080p60
Video encoding profiles:	H.264 Baseline, Main Profile, High Profile, H.265 Main Profile
Video encoding bitrates:	16Kb/s – 12Mb/s, CBR and VBR
HD Video resolutions:	1920x1080, 1680x1050, 1280x720, 1600x1200, 960x540
SD Video resolutions:	720x576, 704x576
Frame rate:	5-60 fps up to 1280x720, 5-30 fps up to 1920x1080
Audio inputs:	1x Stereo, unbalanced, AC-coupled, mini-jack 3.5, 10 kOhm 1x Stereo embedded HDMI
Audio encoding:	AAC and MP3, 24-256 kbs data rate Input sample rate: 48 kbs Output sample rate: 48, 44,1, 32 kbs
IP protocols:	HTTP, UDP/RTSP/RTMP streaming, unicast/multicast
Network:	10/100 TX Ethernet, RJ45, half/full duplex, auto-sensing
Additional features:	Insertor for Logo and Text
Management and security:	Web browser, software updates via remote upgrade

ENVIRONMENTAL

Housing:	100% lightweight closed aluminium case, no fan
Agency approvals:	CE, RoHS
Humidity:	Up to 90%, non-condensing
Temperature:	0 to +45°C
Dimensions and weight:	(H/W/D) 25mm x 70mm x 103mm, approx. 200 grams
Power:	12 VDC <5W
Limited Warranty:	1 year standard limited warranty. Warranty extensions for up to 5 years available

ORDER INFORMATION

ENC-500-HDMI-PORTABLE	H.265 and H.264 HD/SD portable encoder device with HDMI input, available in Q3 2016
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COMPLEMENTARY PRODUCTS

DEC-300-HDSDI	H.264 HD & MPEG-2 HD decoder board with HD-SDI-, embedded audio-, analog video/audio output.
XPlayer	PC Live stream playback software. License packages are available
Aminet-140	Multi-format and multi-resolution Set Top Box for MPEG-2 SD/HD & H.264 SD/HD, composite, S-Video or component video and analog audio output
MC-ROUTE-1RU	1RU appliance for live UDP, TCP, FEC-RTSP and HLS streaming and unicast/multicast bridging