Single Camera 4Kp60 Encoder

Designed for your 4K H.265 Monitoring Needs

Q605-60H

- H.265/H.264 Single Camera Video Streaming
- High Quality Low Latency Encoding
- HDMI Input and HDMI Pass-through
- Pass Camera Control Commands over IP
- ONVIF Profile S and T Compliant

The Q605-60H is a compact encoder system that is a H.265/HEVC and H.264 video encoder designed for easy and portable use. The encoder is capable of accepting 4K video at 60 frames per second and producing IP streams that can be sent over Ethernet. Simultaneously stream and record video to either a Network File System, USB or Micro SD card. Control through the web user interface, Serial/SSH, the API or ONVIF. Additional processing is supported within the system to allow for overlays on the video or metadata to be sent in the data stream.

Technical

Interfaces	HDMI In, HDMI Out, Sony HDMI via KEL, POE, Gigabit Ethernet, USB 3.1, Audio Input, RS-232, Serial I/O (RS-232, RS-422, RS-485)
Video Codecs	H.265/HEVC, H.264, and MJPEG
Encoding Resolutions	4K UHD & HD up to 60 fps (2160p, 1080p, 720p & lower)
Output Formats	RTP, RTSP, MPEG-2 TS, RTMP, RTMPS and SRT HDMI Output (up to 1080p30)
Features	• Easy-to-Use HTTP/HTTPS web GUI with live video preview • Control via HTTP/HTTPS web GUI, API, ONVIF, or SSH/Serial • Low Latency + Low Power • Pass VISCA™ Camera Control Commands over IP • ONVIF® Profile S and T • Simultaneous Stream and Record • Overlay of GPS or NTP Data • Pelco D PTZ Positioning • Absolute PTZ Support • Compatible with ZEUS® DMD-4K Video Decoder • Timestamp and KLV support through overlay or SEI data • SRT Modes Supported: Caller, Sender, Rendezvous & SRT Encryption

Specifications

Product Size	58 x 58 x 38 mm
Product Weight	107g
Power Input	12V DC or PoE 802.3af/at class 0
Power Consumption	4.5W typical while encoding 4Kp60

ORDERING OPTIONS

Q605-60H-RPS
OEM Starter Kit

- Q605-60H Encoder Boards
- Cables:
  HDMI Cable
  KEL Ribbon cable
  Serial cable & Null Modem adapter
- Power Supply
- SDK
- Documentation

OEM Production Set

- Q605-60H Encoder Board

*Note: Camera and cables sold separately**

APPLICATIONS

Broadcast Application

Aerospace Applications

Surveillance Applications

Customized Applications*

Q605-60H

DC Power → **Power Supply** ← **POE**

Sony HDMI (KEL) → **HDMI RX** → **HEVC 4Kp30 Encoder Processor** ↔ **Gb Ethernet**

HDMI In → **HDMI RX**

HDMI Out ← **HDMI TX** ← **HEVC 4Kp30 Encoder Processor** ↔ **RS-232**

Audio In ↔ **USB 3.1 Console**

USB-C Service ↔ **Micro SD**

RS-232 / RS-422 / RS-485 ↔ **Drivers** ↔ **HEVC 4Kp30 Encoder Processor**

4Kp60 → **Q605-60H** — *H.265 Streaming* Ethernet → **DMD-4K 2160p60 Decoder** — HDMI → (Monitor)
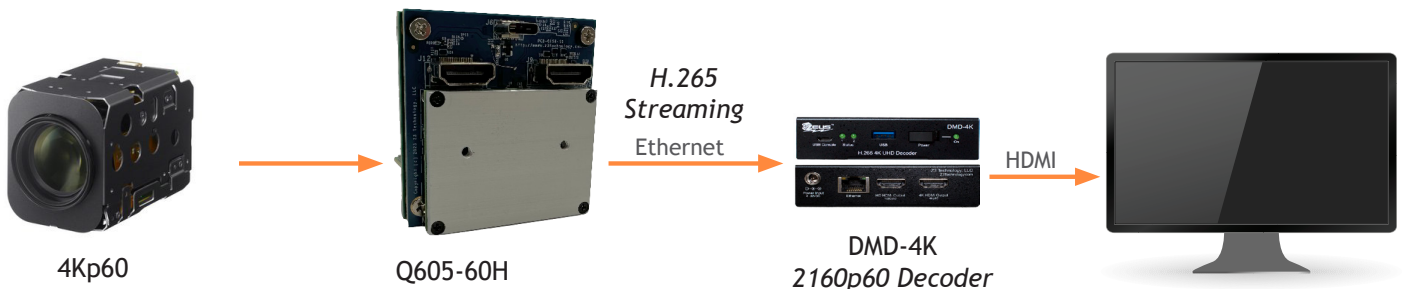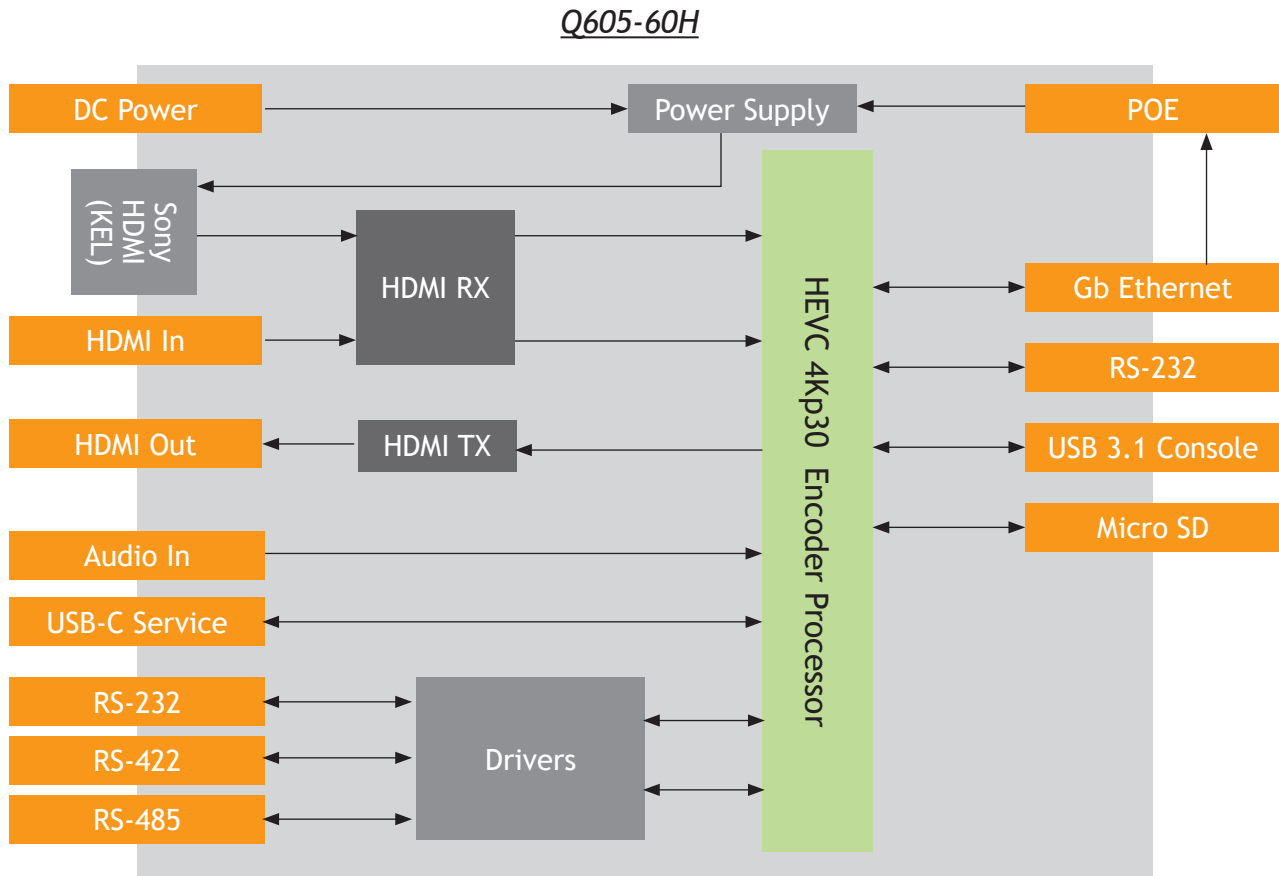
Z³ Technology is an industry-leading, USA-based manufacturer of production-ready embedded multimedia solutions and IP camera systems. From our founders to our world-class engineers to our sales and customer service team, we understand your requirements and speak your language. Our experience allows us to provide cost-effective solutions to meet your multimedia product requirements. With the assistance of our robust worldwide distribution and sales networks, we can provide a simple solution for your multimedia needs.