Venetex

VHE-800/VHD-800

Specification		VHE-800 (Encoder)	VHD-800 (Decoder)
Video	Video Input Signal	HDMI1.4a	-
		3G-SDI (SMPTE424M)	-
		HD-SDI(SMPTE292M)	-
	Video Output Signal	-	HDMI1.4a
		-	3G-SDI (SMPTE424M)
		-	HD-SDI (SMPTE292M)
	Encoding/Decoding	H.264 HP@L4.2 or later (ISO/IEC14496-10)	H.264 HP@L4.2 or later (ISO/IEC14496-10)
		H.265 (ISO/IEC 23008-2 HEVC)	H.265 (ISO/IEC 23008-2 HEVC)
	Bit Rate	2~24Mbps	2~24Mbps
	Compatible with Resolutions and Frame Rate	1920×1080p (60 / 59.94 / 50)	1920×1080p (60 / 59.94 / 50)
		1920×1080i (60 / 59.94 / 50)	1920×1080i (60 / 59.94 / 50)
		1280×720p (60 / 59.94 / 50)	1280×720p (60 / 59.94 / 50)
Audio	Audio Input Signal	HDMI or SDI embedded	-
	Audio Output Signal	-	HDMI or SDI embedded
	Audio Encoding/Decoding Technology	AAC-LC	AAC-LC
	Sampling Frequency	48kHz	48kHz
	Audio Bit Rate	128kbps	128kbps
	Number of Audio Channels	2ch	2ch
Interface	Connector	HDMI TypeA/BNC connector	HDMI TypeA/BNC connector
	External Sync Input	-	Tri-level Sync/BB
	Sensor Input	Contact Input: Photo-coupler (2 items)	Contact Input: Photo-coupler (2 items)
	Alarm Output	Contact Output: Relay (2 points)	Contact Output: Relay (2 points)
	Network	RJ45 100/1000 base-t	RJ45 100/1000base-t
	Protocol	SRT	SRT
		RTMP (only H.264)	RTMP (only H.264)
		RTSP	RTSP
		RTP (only Multicast)	RTP
	IP Multicast	IP multicast delivery available	-
	Number of Multicast Users	Multicast TTL 64 or more	-
	Multicast Address	Settings can be changed remotely	-
	Serial Signal (UART)	USB TypeC	USB TypeC
Other	Power	DC12V 3A	DC12V 3A
	Electricity Consumption	12W	12W
	Operating Temp.	10°C~40°C	10°C~40°C
	Size	175(W)×43.8(H)×140(D)	175(W)×43.8(H)×140(D)
	Mass	1.0kg	1.0kg
	AC adapter	DC12V 3A included	DC12V 3A included

* HDCP (copyright protection) is not supported. HDMI may take time to display images due to communication between devices.
  This time varies depending on the equipment configuration.

IP エンコーダ / デコーダ
IP Encoder / Decoder
VHE-800/VHD-800

Video Transmission Solution compatible
with Low Latency and Narrow Bandwidth

■ IP encoder/decoder compatible with H.264/H.265

■ Equipped with the SRT protocol for both real-time performance and video stability

■ Compatible with low latency transmission by intra-slice technique

■ Compatible with HDMI/SDI input and output

SRT
SECURE
RELIABLE
TRANSPORT

* Specifications are current as of Dec 2023. For the purpose of improvement it may change without notice.
* Printed photo images on this catalogue may differ from actual product.
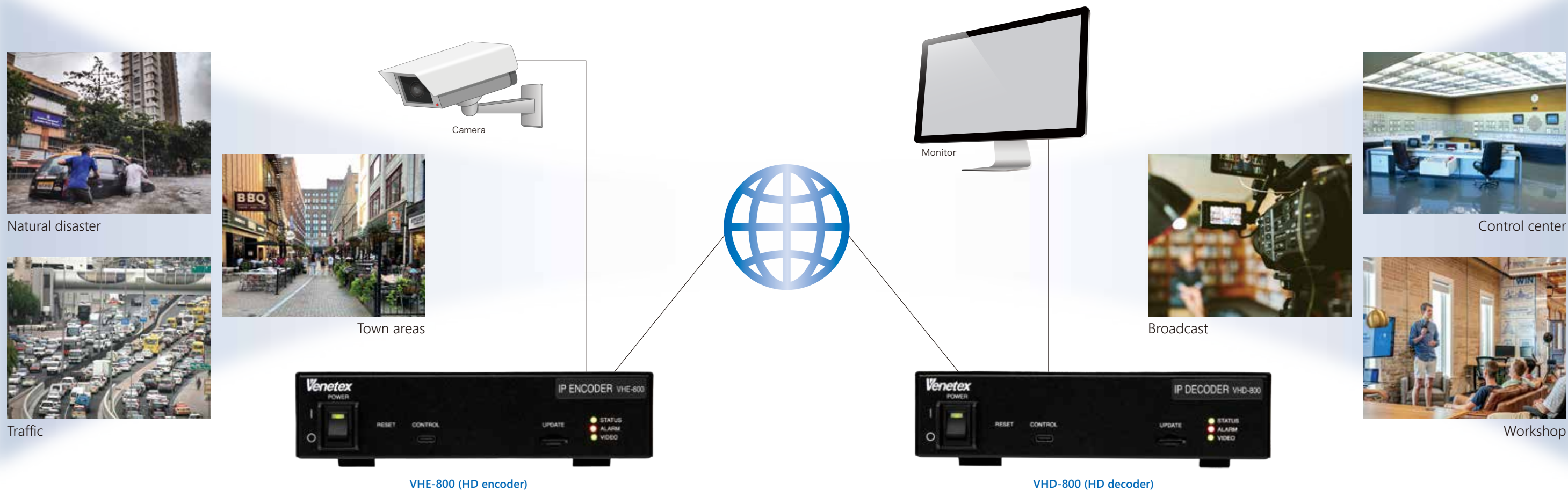2023.12.01

VHE-800/VHD-800

It delivers video and audio in various remote locations with low latency.

VHE-800 is an HD encoder that compresses video and audio signals and provides network distribution functions.

VHD-800 is an HD decoder that creates an optimal environment when combined with the VHE-800.

H.264/H.265 standards are adopted for image compression. This enables delivery with low latency and reduced bandwidth load.

Connection diagram

Natural disaster

Traffic

Town areas

Camera

Monitor

Broadcast

Control center

Workshop

VHE-800 (HD encoder)

VHD-800 (HD decoder)

■ **Compatible with H.264/H.265**

It can be compatible with H.264/H.265 standard compression methods. Adopting the H.265 standard allows video file size to be approximately half that of the H.264 standard for the same image quality, resulting in more narrow bandwidth delivery.

■ **Equipped with the SRT protocol**

It is equipped with the SRT protocol, which is ideal for video streaming and broadcast live relay, and compatible with both Caller and Listener.
It is more real-time and enhance error resistance, with high security and inter-device network connectivity.
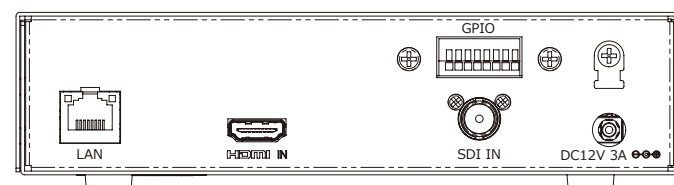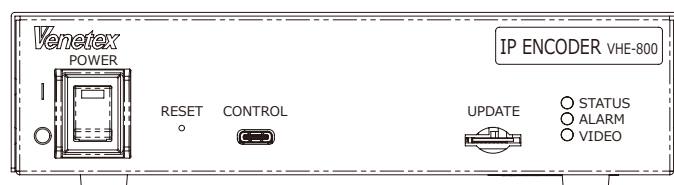
■ **Compatible with intra-slice technique**

It divides a video frame into multiple slices and encodes each slice individually to achieve low latency transmission.

■ **Compatible with HDMI/SDI input and output**

VHE-800 (HD encoder) supports HDMI or SDI (3G/1.5G) audio and video input, VHD-800 (HD decoder) enables concurrent output of HDMI and SDI (3G/1.5G).

External interface

VHE-800 (HD encoder)

POWER RESET CONTROL UPDATE STATUS ALARM VIDEO IP ENCODER VHE-800

LAN HDMI IN GPIO SDI IN DC12V 3A

VHD-800 (HD decoder)

POWER RESET CONTROL UPDATE STATUS ALARM VIDEO IP DECODER VHD-800

LAN HDMI OUT GPIO REF IN SDI OUT DC12V 3A