carina
An EIZO Group Company

ADMENIC NEX

ADMENIC NEB2

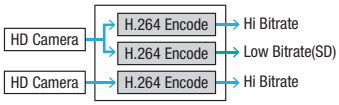
H.264 Full HD Network Encoder

ADMENIC NEX, ADMENIC NEB2 is a real-time H.264 encoding system for live streaming.It also supports file saving to local drive.

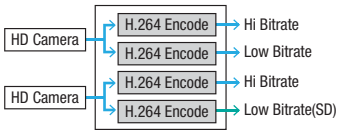
■ Dual Streams for Simulcast*

ADMENIC NEX is supported dual HD encording for simulcast. Standard model is able to encode for "three source to three independent streams"(max). Expansion model s able to encode for "four sources to four independent streams"(max).

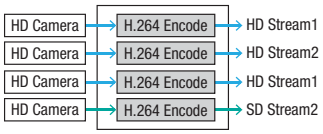
"two source to three independent streams"



"two source to four independent streams"
*Expansion model



"four source to four independent streams"
*Expansion model



■ Supports Video Camera, PC, Other Video Equipment Inputs

In addition to HD/SD vide formats, ADMENIC NEX/NEB2 supports VESA standards (WSXGA+, SXGA, XGA, SVGA) formats input. It also supports video signals input from inspection devices and computers.
With scan-convert feature, it converts input signal to upconvert/downconvert, then encodes. Scaling setting has an option to choose from dot-by-dot or aspect ratio fix.

■ Built-in Touch-screen Display*

ADMENIC NEX have 4.3" built-in touch panel display for input video monitoring and control operation. Standard model is up to 2ch, terminal additional model can be done a preview of the maximum 4ch.

*Expansion model

■ Support Various Input-Output Terminal On-board*

ADMENIC NEX supports SDI, DVI, Analog RGB, S-Video and Composite input. Furthermore, supports SDI, DVI, S-Video and Composite output.

ADMENIC NEX(Standard model)'s rear panel

■ Recording Function

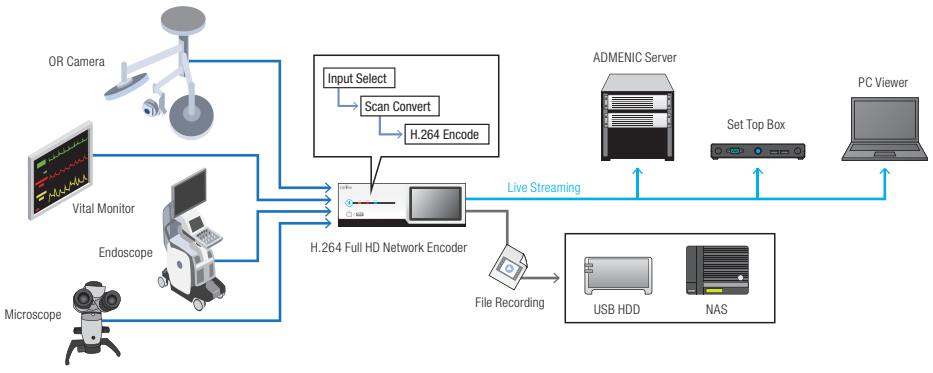
It records data on server during live streaming as well as recording on external hard disk, Blu-ray drive or NAS.

■ Viewing Recorded Videos

Using the application “ADMENIC Browser 5” enables viewing and managing videos remotely such as an office or a conference room. It has a feature which converts a format to support various media tools.

ADMENIC Browser 5

>Example of use



* ADMENIC NEX only

■ Specifications

			ADMENIC NEX	ADMENIC NEB2
Video Input	SDI	Video Format	1920x1080/59.94p/50p, 1920×1080/59.94i/50i, 1280×720/59.94p/50p, NTSC (720×480/59.94i), PAL (720×576/50i)	1920×1080/59.94p, 1920×1080/59.94i, 1280×720/59.94p, NTSC (720×480/59.94i)
		Standard	3G-SDI (SMTPE424M), HD-SDI (SMPTE 292M), SD-SDI (SMPTE 259M-C)	3G-SDI (SMTPE424M), HD-SDI (SMPTE 292M), SD-SDI (SMPTE 259M-C)
		Terminal	BNC x1 *SDI Expansion Model : BNC x 2	BNC x1
	DVI-D	Video Format	1920×1080/59.94p/50p, 1920×1080/59.94i/50i, 1280×720/59.94p/50p, NTSC (720×480/59.94i), PAL (720×576/50i) *HDCP Unsupported	1920×1080/59.94p, 1920×1080/59.94i, 1280×720/59.94p, NTSC (720×480/59.94i) *HDCP Unsupported
		VESA Format	1680×1050(WSXGA+), 1280×1080(SXGA), 1024×768(XGA), 800×600(SVGA)	1680×1050(WSXGA+), 1280×1080(SXGA), 1024×768(XGA), 800×600(SVGA)
		Terminal	DVI-D x1 (Exclusion Use Analog RGB) *DVI Expansion Model : DVI-D x 2	DVI-I x1 *shared with Analog RGB
	Analog RGB	Video Format	1920×1080/59.94i/50i, 1280×720/59.94p/50p, NTSC (720×480/59.94i), PAL (720×576/50i)	1920×1080/59.94p, 1280x720/59.94p, 720x480/59.94i
		VESA Format	1680×1050(WSXGA+), 1280×1080(SXGA), 1024×768(XGA) 800×600(SVGA)	1680×1050(WSXGA+), 1280×1080(SXGA), 1024×768(XGA) 800×600(SVGA)
		Terminal	D-SUB 15P(female) x1 *shared with DVI-D *DVI Expansion model is concurrent use.	DVI-I x1*shared with DVI-D
	S Video	Video Format	NTSC	NTSC
		Terminal	mini DIN 4P x1	mini DIN 4P x1
	Composite Video	Video Format	NTSC	NTSC
		Terminal	BNC x1	BNC x1
Video Output	SDI(Through)	Format	Active through output of SDI Input	-
		Terminal	BNC x1 *SDI Expansion Model : BNC x 2	-
	DVI-D	Format	Monitor output of input video to be encoded. The video format is followed to the input *HDCP Unsupported	Monitor output of input video to be encoded. The video format is followed to the input *HDCP Unsupported
		Terminal	DVI-D x1	DVI-I x1
	S Video	Format	S Video Input	-
		Terminal	mini DIN 4P x1	-
	Composite Video	Format	Composite Video Input	-
		Terminal	BNC x1	-
Digital Audio Input		Format	SDI Embedded Audio (SMPTE 299M/272-A)	SDI Embedded Audio (SMPTE 299M/272-A)
Analog Audio Input		Type	Unbalanced 2 channels	Unbalanced 2 channels
		Terminal	RCA Jackx2(ch1:white, ch2:red)	RCA Jackx2(ch1:white, ch2:red)
Analog Audio Output		Type	Unbalanced 2 channels	Unbalanced 2 channels
		Terminal	φ3.5mm Stereo Jack x2, Built-in Speaker x1(L/R mix)	φ3.5mm Stereo Jack x1
Maintenance Video Output		Terminal	DVI-I x1	DVI-I x1
Network I/F		Type	10Base-T, 100Base-TX, 1000Base-T	10Base-T, 100Base-TX, 1000Base-T
		Terminal	RJ45 x2	RJ45 x2
COM Port		Type	RS-232	RS-232
		Terminal	D-Sub 9P(mail) x2	D-Sub 9P(mail) x1, mini DIN 8P x1
USB		Type/Terminal	USB2.0 (Front:Type A x1, Rear:Type A x4) USB3.0 (Rear:Type A x2)	USB2.0 (Front:Type A x1, Rear:Type A x1) USB3.0 (Rear:Type A x1)
GPI		Type	Input x2 / Output x1	Input x2
		Terminal	6PIN x1	4PIN x1
Supply Voltage			AC Adapter Input : AC100V (50/60Hz) DC Input: DC12V	AC Adapter Input : AC100V (50/60Hz) DC Input: DC12V
Operational Temperature			5 - 40℃(without condensation)	5 - 40℃ (without condensation)
Power Consumption			< 100W	< 47W
Dimensions			260(W)×88(H)×270(D)mm	217.6(W)×42.4(H)×280(D)mm
Weight			< 3.8kg	2.7kg

■ Streaming Data Specifications

	ADMENIC NEX	ADMENIC NEB2
Video Ompression	ISO/IEC14496-10(H.264/AVC) High Profile level 4.2	IISO/IEC14496-10(H.264/AVC) High Profile level 4.2
Video Format	1920×1080/59.94p/50p, 1920×1080/59.94i/50i, 1440×1080/59.94i/50i, 1280×720/59.94p/50p, 720×480/59.94i, 720×576/50i	1920×1080/59.94p, 1440×1080/59.94p, 1920×1080/59.94i, 1440×1080/59.94i, 1280×720/59.94p, 720×480/59.94i
Video Bitrate	1920×1080/59.94p/50p SW Encoder : 2Mbps～24Mbps (High Profile Level 4.2) 1920×1080/59.94i/50i HW Encoder : 6Mbps～24Mbps (High Profile Level 4.0) SW Encoder : 2Mbps～24Mbps (High Profile Level 4.0) 1440×1080/59.94i/50i HW Encoderダ : 5Mbps～24Mbps (High Profile Level 4.0) SW Encoder : 2Mbps～24Mbps (High Profile Level 4.0) 1280×720/59.94p/50p HW Encoder : 4Mbps～24Mbps (High Profile Level 4.0) SW Encoder : 2Mbps～24Mbps (High Profile Level 4.0) 720×480/59.94i、720×576/50i HW Encoder : 2Mbps～10Mbps (Main Profile Level 3.0) SW(SD) Encoder : 512kbps～5Mbps (Main Profile Level 3.0)	1920×1080/59.94p HW Encoder : 6Mbps～24Mbps (High Profile Level 4.2) 1920×1080/59.94i, 1440×1080/59.94i, 1280×720/59.94p HW Encoder : 2Mbps～24Mbps (High Profile Level 4.0) 720×480/59.94i HW Encoder : 1Mbps～10Mbps (High Profile Level 3.0) SW(SD) Encoder : 512kbps～5Mbps (Main Profile Level 4.0)
GOP Structure	IBBP (Closed GOP)	IBBP (Closed GOP)
Audio Compression	MPEG-4 AAC 2ch Audio sampling frequency: 48KHz	MPEG-1 Audio Layer2 2ch Audio sampling frequency: 48KHz
Audio Bitrate	HW Encoder : 128k, 192k, 256k, 320k, 384kbps SW Encoder : 64k, 96k, 128k, 192k, 256k, 320k, 384kbps	64k, 96k, 128k, 192k, 256k, 320k, 384kbps
Multiplexer	ISO/IEC13818-1+Amd3 MPEG2 Transport Stream ISO/IEC 14496-12 ISO base media file format, ISO/IEC 14496-15 Advanced Video Coding (AVC) file format	ISO/IEC13818-1+Amd3 MPEG2 Transport Stream
Streaming Protocol	RTSP/RTP	RTSP/RTP
Transmission Mode	Unicast/Multicast	Unicast/Multicast

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