

# MVE 5000 / MVD 5000

## 1U Half-Rack Low Bit Rate and Super Low Latency

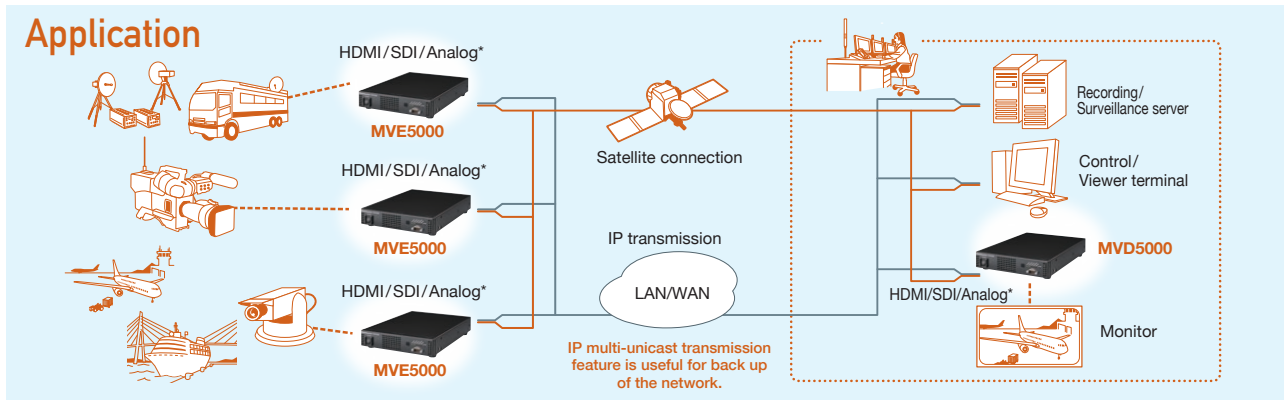


### High picture quality, Super Low Latency and Low Bit Rate with 1U Half-Rack size for IP transmission

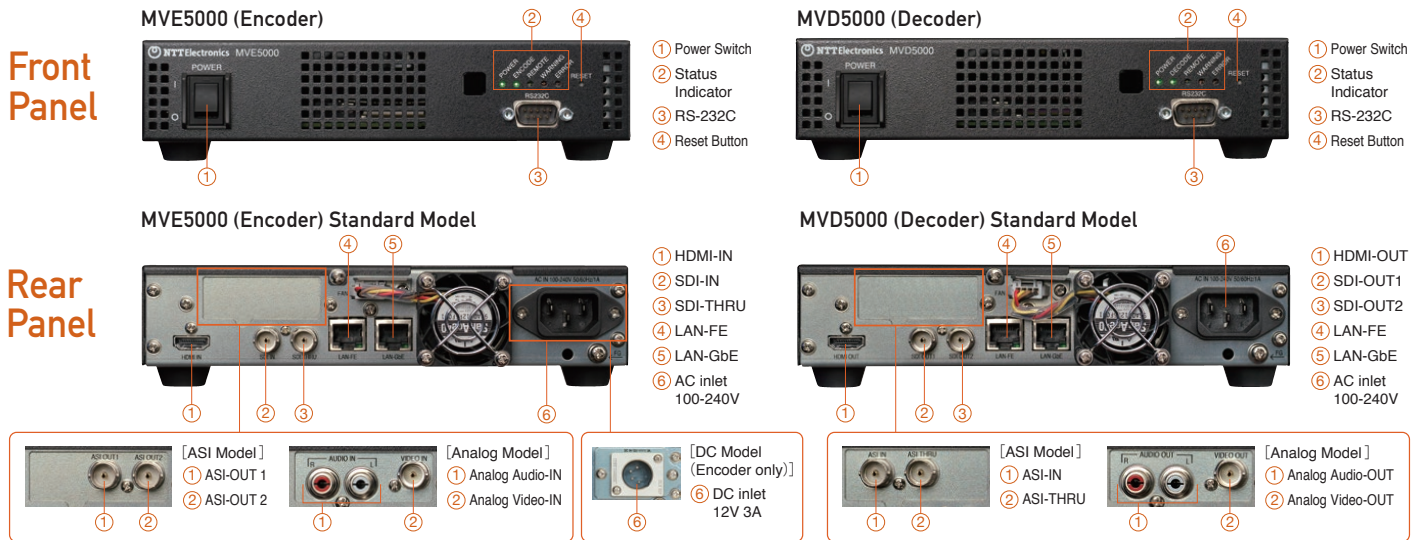
Superior quality and performance using NTT Electronics' cutting edge LSI. Compact 1U half-rack size, suitable for the Flyaway or the small OB van.

- NTT Electronics' High Performance In-House Single Chip LSI
  - Inherits the high picture quality cultivated by contribution applications
- 1 and 3 Frame Super Low Latency (Encoder optional ※2 ※4)
- Multiple Interface
  - Video I/O : HD/SD-SDI, HDMI, Analog Composite (Analog Model)
  - Audio I/O : SDI embedded Audio, HDMI embedded Audio, Analog (Analog Model)
  - Stream I/O: IP (100Base-TX/1000Base-T), DVB-ASI (ASI Model)
- Seamless Protection Switching for IP input (optional ※3 ※12)
- Network Function
  - Simultaneous outputs for redundancy (Encoder)
  - Supports IPv4/v6, FEC, ARQ which enables high quality video transmission using IP network
- Compact 1U Half-rack
- TS Pass Through (optional ※6 ※11)
- Quick Boot up

※2 ※3 ※4 ※6 ※11 ※12 Please refer to the option table on the reverse side of this brochure.



\*Analog Model



## Specifications

Category	Encoder	Decoder	Specification		
			Standard Model	Analog Model	ASI Model
Video	Input Format	Output Format	HD-SDI (SMPTE292M), SD-SDI (SMPTE259M), HDMI (HDCP non-compliant)		
	Encoding Format	Decoding Format	MPEG-4 AVC/H.264 Profile: High, Main Level: 4.1/4.0/3.2/3.0 MPEG-2 Video HD: MP@HL SD: MP@ML (Decoder only) **		
	Video Format		1080i:1920/1440/1280/960x1080	720p:1280/960/640x720	576i:720/352x576, 352x288**3 480i:720/352x480, 352x240**3
	Frame Rate		1080i:25/29.97 (SMPTE274M)	720p:50/59.94(SMPTE296M)	576i:25 (ITU-R BT.656-4) 480i:29.97 (SMPTE125M)
Audio	Input Format	Output Format	SDI Embedded Audio HDMI Embedded Audio (2ch only) Analog Audio: RCA		
	Encoding Format	Decoding Format	MPEG-1 Audio Layer II (2ch) max. 2PES**A SMPTE302M (2ch)**3**9 max. 2PES**A MPEG-2 AAC (2ch, 5.1ch)**1**7 max. 1PES		
	Output Stream Type	Input Stream Type	MPEG-2 TS, MPEG-2 TTs (IP only), MPEG-2 PS (IP only, Decoder only)		
System	Output Interface	Input Interface	IP		
	Max. Output TSPRate	Max. Input TSPRate	Encoder: 50Mbps, Decoder: 80Mbps		
Network	Interface		LAN-GbE 10BASE-T/100BASE-TX/1000BASE-T (RJ-45), LAN-FE 10BASE-T/100BASE-TX (RJ-45)		
	Transmission		RTP /UDP/IP, Unicast/Multicast		
	Network		IPv4/IPv6, IGMP v2/v3, MLDv2, SNTP, DHCP, Ping, PPPoE, Syslog**3**9, SAP**5**10		
	FEC		FEC (Pro-MPEG COP#3 R2), ARQ		
Control	Interface		Power ON/OFF Key, RESET Button, LAN-GbE 10BASE-T/100BASE-TX/1000BASE-T (RJ-45), LAN-FE 10/100BASE-TX (RJ-45)		
	Equipment control		Web GUI, SNMP v1/v2c, Web API		
Other features	Superimpose, Simultaneous Output of 2xIP Streams, RS-232C Pass Through, Seamless Protection Switching, TS Pass Through				
Dimensions, Weight	W210 x D300 x H44 (mm) Not including protrusion, 2.6kg /5.73lb or less				
Power Source	AC100 - 240V, 50Hz/60Hz DC12V 3A [DC Model (Encoder only)]**B				
RoHS Compliant	This product is RoHS compliant				

\*\*A : Maximum 2PES is supported only for MPEG-1 Audio Layer II and SMPTE302M. (Stereo x 2)

\*\*B : AC adapter is not attached. Please use the DC power option in an environment where an overvoltage protection have been made in your DC power supply system.

### Option Table

Model	Suffix	Option Name	Description	Model	Suffix	Option Name	Description
Software MVE5000 (Encoder)	**1	MVE5000_OP_AAC	MPEG-2 AAC-LC (2ch x 1, 5.1ch x 1)	Software MVD5000 (Decoder)	**7	MVD5000_OP_AAC	MPEG-2 AAC-LC (2ch x 1, 5.1ch x 1)
	**2	MVE5000_OP_SLDELAY	Super Low Latency Mode (3 frames)		**8	MVD5000_OP_MPEG2	MPEG-2 Decode (4:2:0)
	**3	MVE5000_OP_PACK_V4	Operation parameter +8 preset, SMPTE302M (2ch), Dolby E Pass through, Seamless Protection, Video Format (576i: 352 x 288, 480i: 352 x 240), NIT/SDT, Web GUI lightweight operating mode, Syslog		**9	MVD5000_OP_PACK_V4	Operation parameter +8 preset, SMPTE302M (2ch), Dolby E Pass through, Web GUI lightweight operating mode, Syslog
	**4	MVE5000_OP_PACK_ULDELAY	Ultra Low Latency Mode (1 frame) (Including MVE5000_OP_SLDELAY)		**10	MVD5000_OP_PACK_SAP	Session Announcement Protocol (SAP)
	**5	MVE5000_OP_PACK_SAP	Session Announcement Protocol (SAP)		**11	MVD5000_OP_PACK_TS-PASS	TS Pass Through
	**6	MVE5000_OP_PACK_TS-PASS	TS Pass Through		**12	MVD5000_OP_PACK_SEAMLESS	Seamless Protection
				**13	MVD5000_OP_PACK_MPEG2-PS	MPEG-2 PS (IP only)	

(Note 1) Basic Pack (\*\*3) is included in \*\*4, \*\*5, \*\*6.

(Note 2) Basic Pack (\*\*9) is included in \*\*10, \*\*11, \*\*12, \*\*13.

### Caution

Please use our products in accordance with the instructions provided in the manual, user's guide or specifications attached.

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