

1-24 HDMI to RF and IP



HD Encoder	Model Selection			
	QAM	ATSC	DVB-T	ISDB-T
1-12 HDMI to COAX, Digital Modulator	H-1HDMI-QAM-IPLL	H-1HDMI-ATSC-IPLL	H-1HDMI-DVB-T-IPLL	H-1HDMI-ISDB-T-IPLL
	H-2HDMI-QAM-IPLL	H-2HDMI-ATSC-IPLL	H-2HDMI-DVB-T-IPLL	H-2HDMI-ISDB-T-IPLL
	H-4HDMI-QAM-IPLL	H-4HDMI-ATSC-IPLL	H-4HDMI-DVB-T-IPLL	H-4HDMI-ISDB-T-IPLL
	H-8HDMI-QAM-IPLL	H-8HDMI-ATSC-IPLL	H-8HDMI-DVB-T-IPLL	H-8HDMI-ISDB-T-IPLL
	H-12HDMI-QAM-IPLL	H-12HDMI-ATSC-IPLL	H-12HDMI-DVB-T-IPLL	H-12HDMI-ISDB-T-IPLL
	H-16HDMI-QAM-IPLL	H-16HDMI-ATSC-IPLL	H-16HDMI-DVB-T-IPLL	H-16HDMI-ISDB-T-IPLL
	H-24HDMI-QAM-IPLL	H-24HDMI-ATSC-IPLL	H-24HDMI-DVB-T-IPLL	H-24HDMI-ISDB-T-IPLL

1-12 SDI To RF IP



HD – Encoder RF Modulator	Model Selection			
	QAM	ATSC	DVB-T	ISDB-T
1-8 HDMI To RF MPEG2/H.264 /CC/AC3	H-1SDI-QAM-IPLL	H-1SDI-ATSC-IPLL	H-1SDI-DVBT-IPLL	H-1SDI-DVBT-ISDB-T
	H-2SDI-QAM-IPLL	H-2SDI-ATSC-IPLL	H-2SDI-DVBT-IPLL	H-2SDI-DVBT-ISDB-T
	H-4SDI-QAM-IPLL	H-4SDI-ATSC-IPLL	H-4SDI-DVBT-IPLL	H-4SDI-DVBT-ISDB-T
	H-8SDI-QAM-IPLL	H-8SDI-ATSC-IPLL	H-8SDI-DVBT-IPLL	H-8SDI-DVBT-ISDB-T
	H-12SDI-QAM-IPLL	H-12SDI-ATSC-IPLL	H-12SDI-DVBT-IPLL	H-12SDI-DVBT-ISDB-T

1- 24 CVBS To RF and IP



HD Encoder RF Modulator	Model Selection
1-24 CVBS To IPTV MPEG2/H.264 /CC/AC3	H-4AV-QAM-IP-LL
	H-8AV-QAM-IP-LL
	H-16AV-QAM-IP-LL
	H-24AV-QAM-IP-LL

IP Stream to RF QAM/ATSC EDGE Modulator



IP to CATV RF	Model Selection			
IP to 16/32 CATV RF	QAM	ATSC	DVB-T	ISDB-T
	H-IPRF-16QAM	H-IPRF-16ATSC	H-IPRF-16DVBT	H-1SDI-DVBT-ISDB-T
	H-IPRF-32QAM	H-IPRF-32ATSC	H-IPRF-32DVBT	H-2SDI-DVBT-ISDB-T

Satellite or ATSC IRD Decoder to IP, ASI and RF QAM



RF to IP and ASI	Product Possible Applications
DVB-S / DVB-S2 ATSC / DVB-C	H-IRD-V4
	H-IRD-V4-ATSC
	H-IRD-V4-QAM
	H-IRD-V4-DVB-T
	H-IRD-V4-ISDB-T

ATSC or Satellite Antenna Tuners to IPTV & ASI Output



RF to IP and ASI	Product Possible Applications
DVB-S2 ATSC / DVB-C	H-8ATSC-IP
	H-8QAM-IP
	H-8DVBS2-IP
	H-8DVB-T-IP
	H-8ISDB-T-IP

SDI / ASI / CVBS/ HD-TVI to FIBER

1-8 SDI To Fiber



SDI -FIBER	Model Selection
1 - 8 Ch SD/HD 3G-SDI Over Single Fiber CWDM or TDM	F-1SDI-3G-RM-TxRx
	F-2SDI-3G-RM-TxRx
	F-4SDI-3G-RM-TxRx
	F-8SDI-3G-RM-TxRx

1-32 CVBS/ HD-TVI / HD-CVI / ADA To Fiber



CVBS-FIBER	Model Selection
2 - 32 CVBS Video Only over fiber TX/RX kit	F-2V-TX/RX
	F-4V-TX/RX
	F-8V-TX/RX
	F-16V-TX/RX
	F-32V-TX/RX

1-8 DVB - ASI



DVB	Model Selection
1 - 8 Ch DVB ASI Over Fiber	F-1ASI - ASI over fiber transport
	F-2ASI - ASI over fiber transport
	F-4ASI - ASI over fiber transport
	F-8ASI - ASI over fiber transport
	F-1V2A1ASI is an Analog Video & Audio plus HD Video fiber optic multiplexer

RF to FIBER

1-4 GPS over Fiber



GPS Fiber	Model Selection
Transmitter & Receiver	F-GPS-TX-WE - GPS fiber optic Transmitter
	F-GPS-RX-RM GPS fiber optic Receiver
	F-GPS-RX-RM-XX (XX = 2-6) GPS fiber optic Receiver
	F-GPS-RX-RM-OU GPS fiber optic Receiver with Optical Output for cascading

1-6 L-Band



L-Band	Model Selection
4 or 6 channel	F-LB41-TX-CWDM 4 LNB fiber optic transmitter
	F-LB41-RX-CWDM 4 LNB fiber optic receiver
	4 LNB's satellite distribution system for MDU over 1 fiber
	6 LNB's satellite distribution system for MDU over 1 fiber
	6 LNB to SWM Switch Extender System for 6 Polarity Satellite TV

CATV RF – Over Fiber



CATV RF- FIBER	Model Selection
Cable TV CATV RF 45-900Mhz Cable TV CATV RF 45-900Mhz – Over Fiber	F-RF-TX-4
	F-RF-TX-8
	F-RF-TX-16
	F-RF-TX-32
	F-RF-RX-RM

2-8 Telephone



Telephone-Fiber	Model Selection
Fiber Optic Telephone Media Converter	F-4TEL-Tx-MM
	F-4TEL-Rx-MM
	F-4TEL-Tx-40
	F-4TEL-Rx-40

ETHERNET 10/100/1000



Ethernet-Fiber	Model Selection
10/100/1000 Mbps Fast Ethernet over 1 Fiber	F-FE-TRS-A
	Enhanced 10/100/1000 Base-TX to 100/1000Base-FX Single Fiber
	Single fiber Media Converter, Transmitter (WDM TX1310nm/ RX1550nm)
	F-FE-TRS-B
	Enhanced 10/100/1000Base-TX to 100/1000Base-FX Single Fiber Media Converter, Receiver (WDM TX1550nm/RX1310nm)

RS Data RS 232 / 485 / 422 / CC



RS Data-Fiber	Model Selection
RS-232 / RS-485/ RS-422 to Fiber Media Converters	Single fiber solution
	F-RSD-A-TX/RX-XX-YY
	RS-485/ RS-422 / RS-232 over 1 fibers (1310nm) over 1 fiber transceiver
	F-RSD-B-TX/RX-XX-YY
	Dual Fiber solution
	F-RSD-2F-TX/RX-XX-YY
	RS232/485/422 2 fibres media converter

1-12 SDI IP ENCODER



HD Encoder	Model Selection
1-8 SDI To IPTV MPEG2/H.264 /CC/AC3	1SDI to IP - H-1HD-EMS
	2 SDI to IP - H-2HD-EMS
	4 SDI to IP - H-4HD-EMS
	8 SDI to IP - H-8HD-EMS
	12 SDI to IP - H-12HD-EMS

1-24 HDMI IP ENCODER



HD Encoder	Model Selection
1-8 HDMI To IPTV MPEG2/H.264 /CC/AC3	1HDMI to IP - H-1HD-EMH
	2HDMI to IP - H-2HD-EMH
	4HDMI to IP - H-4HD-EMH
	8HDMI to IP - H-8HD-EMH
	12HDMI to IP - H-12HD-EMH
	16HDMI to IP - H-16HD-EMH
	24HDMI to IP - H-24HD-EMH

1- 24 CVBS IP ENCODER



HD Encoder	Model Selection
1-24 CVBS To IPTV MPEG2/H.264 /CC/AC3	2 CVBS BASEBAND VIDEO AUDIO to IP - H-1AV-IP
	4 CVBS BASEBAND VIDEO AUDIO to IP - H-1AV-IP
	8 CVBS BASEBAND VIDEO AUDIO to IP - H-1AV-IP
	12 CVBS BASEBAND VIDEO AUDIO to IP - H-1AV-IP
	16 CVBS BASEBAND VIDEO AUDIO to IP - H-1AV-IP
	24 CVBS BASEBAND VIDEO AUDIO to IP - H-1AV-IP

RF to IP and ASI



RF Tuner	Product Possible Applications
H-IRD-V3 ATSC / QAM DVB-T / ISDB-T	Satellite RF to HD/SD- SDI, ASI. IPTV Multicast
	ATSC RF to HD/SD- SDI, ASI. IPTV Multicast
	Cable TV RF to HD/SD- SDI, ASI. IPTV Multicast

IP to SDI and ASI



RF Tuner	Product Possible Applications
H-IRD-V3 IPTV	IPTV Unicast or multicast input – HD/SD-SDI Output
	IPTV Unicast or multicast input – DVB- ASI Output
	IPTV Unicast or multicast input – IPTV Output as a different Multicast Stream

ASI to SDI and IP



RF Tuner	Product Possible Applications
H-IRD-V3 DVB-ASI	ASI Input to HD/SD - SDI Output
	ASI Input to IPTV Unicast or Multicast Output
	ASI Input – Re-Mapped ASI Output

HD Set Top Box Tuner / Decoder - ATSC / QAM / DVB-T / DVB-S2



STB Tuner	Product Possible Applications
QAM / ATSC / DVB-T / ISDB-T / RF	H-STB-QAM
	H-STB-ATSC
	H-STB-DVB-T
	H-STB-DVB-S2
	H-STB-ISDB-T

Compact IPTV Decoder Set Top Box



IP to HDMI	Product Possible Applications
MPEG-2 / MPEG-4 / H.264	H-STB-IP