

AVPro Edge AC-IMPULSE-PLUS HDMI/SDI Compact Single-Channel Broadcaster and Streamer

CHANNELS	
VIDEO	1 CHANNEL OF H.264 OR MPEG-2SD/HD PROGRAM ENCODING
AUDIO	1 PAIR OF MPEG1L2, AAC OR AC3 AUDIO
MANAGEMENT	
CONFIGURATION	WEB-GUI (EASY OF ADVANCED MODE) OR FRONT PANEL POWER-ON AND PLAY (BY PRESETUP OR LAST CONFIGURATION)
STATUS/MONITORING	LCD DISPLAY OF STATUS. REMOTE MONITORING OF STATUS AND CURRENT PROGRAM.
PHYSICAL INTERFACES	
INPUT	1X HDMI (V1.4)
	1X YPBPR (COMPONENTS)
	1X CVBS (3.5MM)
	1X SDI (OPTION OF NB-100A-01/02/03)
	1X RJ45
OUTPUT	1X RJ45
	1X RF (OPTION OF NB-100A-02/03)
OTHER I/O	EMBEDDED WI-FI WITH EXTERNAL ANTENNAS (FOR WIRELESS ACCESSING AND DATA TRANSMISSION)
	1X USB 2.0
	LCD X1, FRONT BUTTON X 5, RESET BUTTON X1
ENCODING	
H.264/AVC PROFILE (4:2:0)	SD: MP/HP@L3.0/3.1/3.2, HD: MP/HP@L4.0/4.1/4.2
MPEG-2 PROFILE (4:2:0)	SD: MP@ML HD:MP@HL
RESOLUTION	HD: 1920X 1080@25P/30P/50I/60I, 1280X720 @50P/60P, SD: 720X 576@50I,720X 480@60I,SUB-SD RESOLUTIONS
RESCALING	HD TO SD DOWN-CONVERSION
VIDEO BIT-RATE	MPEG-2: 0.8 MBPS-14 MBPS, H.264:0.8 MBPS~14 MBPS
RATE CONTROL	CBR/VBR
GOP CONTROL	SUPPORT
ASPECT RATIO	AUTOMATIC OR MANUAL (4:3 OR 16:9)
AUDIO PROFILE	MPEG-1 LAYER II, AAC (HE/LC), AC3
AUDIO BIT-RATE	MPEG-1 LAYER II: 64-384 KBPS, AC-3:128-448 KBPS, AAC: 48-448 KBPS
AUDIO MODE	STEREO (2.0, INCLUDING DOWN-MIX)
AUDIO SAMPLING RATE	48KHZ
AUDIO VOLUME LEVELING	-12~12 DB
ANCILLARY DATA PROCESSING	CLOSED CAPTION (CEA 608/708), TELETXT (*FUTURE OPTION)
STREAMING	
PROTOCOLS	LIVE: UDP/RTP, RTSP, RTMP, HLS
SERVER MODE	DIRECT STREAMING TO CONNECTED AUDIENCE, (WI-FI OR RJ45, LIMITED ACCESSING NUMBERS*)
MODULATION	
STANDARDS	QAM, ANNEX ■ & ■/■
OUTPUT RANGE	66~858 MHZ
CONSTELLATIONS	16/32/64/128/256 QAM
SYMBOL RATE	3~6.952 MS/S
OPERATING MODES	
LIVE	ENCODING AND IP STREAMING, ENCODING AND RF OUTPUT
RECORDING	LOCAL: HDD, USB FLASH, STORAGE CARD READER VIA USB, FORMAT: TS, CIRCLING RECORDING (BYTIME OR SIZE OF FILE)

PLAYBACK	LOCAL: HDD, USB FLASH, STORAGE CARD READER VIA USB, IN-ORDER, RANDOM, SCHEDULED PLAYLIST, IP OUTPUT
PHYSICAL & ENVIRONMENT	
DIMENSIONS	144x118x38MM, 0.3KG (0.66 LB)
OPERATING TEMPERATURE	10-40°C