AVX-1920

The AVX-1920 allows users to combine multiple inputs from a range of HDMI, DVI-D, ARGB, Component Video, Composite S-Video sources - and convert them for optimum picture quality and resolution on any given display, projector or video wall.

Processing 10-BIT (1 billion colors) upto 1080P – the core AVX-1920 offers professional grade color management with advanced 3D noise reduction, 3:2 pull-down and a range of de-interlacing modes and phase clock adjustments for enhanced fine-tuning.

VIDEO INPUT

HDMI Video	1x Up to 1080p
DVI-D	1x VGA @60 / 72 / 75Hz
	SVGA @56 / 60 / 72 / 75Hz
	XGA @60 / 70 / 75Hz,
	SXGA @ 60 / 75Hz,
	UXGA @ 60Hz,
	WUXGA @ 60Hz
	WXGA @ 60Hz,
	WSXGA @ 60Hz
ARGB Video	1x DB15
	Up to WUXGA @60Hz
Component Video (YPbPr)	3x RCA Up to 1080p
S-Video	1x mini din
Composite Video	1x RCA
	Standard Pal/NTSC/SECAM

VIDEO OUTPUTS

HDMI	VGA @60Hz	SVGA @60Hz
XGA @60Hz	SXGA @ 60Hz	UXGA @60Hz
WXGA @60Hz	WSXGA+ @60Hz	WVGA@60Hz
WUXGA @ 60Hz	480p / 720p / 1080p	

AUDIO OUTPUTS

SPDIF Coaxial

DEVICE CONTROL

Buttons	5-button on the top
Remote control	IR on the front
RS-232 serial	DB9 connector on the back
Network control	RJ45 connector on the back

SCALING ENGINE

Phased lock loop employed	10-bit ADC
De-Interlace	Faroudja Truelife Video Enhancer
Noise reduction	3D
Pull-down	3:2
HDCP Compliance	v1.1

MECHANICAL

Size (H-W-D)	50mm x 195mm x 130mm
Weight	1kg

ENVIRONMENTAL

Operating temperature	0°C to 60°C
Operating humidity	10% to 95%
Storage temperature	-20° to 85°
Storage humidity	10% to 95%

POWER
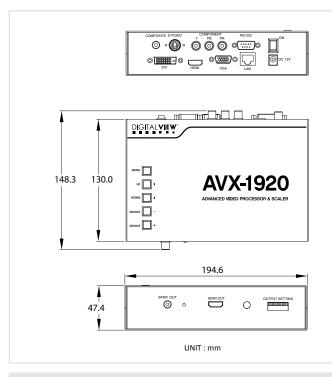
External 12VDC, 1.5A

REGULATORY COMPLIANCE

Converter unit	RoHS, CE/FCC (pending)
Power supply unit	UL, CUL, CE, GS, RoHS

DIGITAL VIEW®

AVX-1920

148.3   130.0

194.6

47.4

AVX-1920
ADVANCED VIDEO PROCESSOR & SCALER

UNIT : mm

DE-INTERLACING MODES

AFM	Auto Film mode. Frame based and requires at least 3 fields for processing. It will check video content to perform 3:2, 2:2 pull down or other film mode processing as appropriate.
TNR	Temporal Noise Reduction. Requires at least 2 fields for processing. Average between two adjacent fields to reduce random noise.
MADI	Motion Adaptive De-interlacing. Pixel based and requires 2 fields for processing. This mode will be adopted when there has no fixed relation between the input fields.
LADI	Low Angle De-interlacing, a special interpolation process to the local area with diagonal pattern

AUDIO

Audio - Source	HDMI

OSD FUNCTIONS

Contrast	1~100 relative contrast adjustment
Brightness	1~100 relative brightness adjustment
Hue	1~100 relative hue adjustment
Saturation	1~100 relative saturation adjustment
Sharpness	15 steps sharpness adjustment
Scale	Fill screen / Fill to aspect ratio / 4:3 / 16:9 / 2.35:1 / 2:1 / 1:1 / Overscan / Normal / Custom
Image position	Upward / Downward / Left / Right
Color tone	5000k / 6500k / 8000k / 9300k / User
Blue only	On/Off
Monochrome mode	Color / Red / Green / Blue
PIP	Yes
Image zoom	Zoom / H pan / V pan
Image freeze	Yes
Auto picture setup	Yes (ARGB port)
Auto color gain	Color calibration (ARGB port)
Wide screen mode detection	Recognize widescreen mode (ARGB port)
Image fine tune	Clock & Phase adjustment (ARGB port)
Gamma adjustment	0.6 / 0.7 / 0.8 / 1.0 / 1.6 / 1.8 / 1.9 / 2.0 / 2.1 / 2.2 / 2.3 / 2.4 / 2.5 / 2.6 / User
Auto source seek	Auto / User

OSD DETAIL

OSD H & V Position	1~100 relative L-R & U-D position
OSD Timer	On ~ 60 seconds (5 seconds/step)
OSD Transparency	On / Off
OSD language	Chinese / English / French German / Spanish
On screen marker	Yes

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