

ISP MK2 Range

SPECIFICATIONS



	ISP 16 MK2 Analog	ISP 24 MK2 Analog	ISP 32 MK2 Analog	ISP 32 MK2 Digital AES	ISP 32 MK2 Digital AVB
Main Features					
Auro-3D / Dolby Atmos / DTS:X Pro / IMAX Enhanced	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓
SphereAudio - Binaural Immersive Sound for Headphones	✓	✓	✓	✓	✓
Dirac Live room correction with Bass Control module	✓	✓	✓	✓	✓
StormMonitoring - Remote Monitoring	✓	✓	✓	✓	✓
Multichannel / Surround Processing					
Output channels	16 (up to 32 optional)	24	32	32	32
Decoding / upmixing channels	up to 16 (24 optional)	up to 24	up to 24	up to 24	up to 24
Input sampling rate supported	up to 192 kHz	up to 192 kHz	up to 192 kHz	up to 192 kHz	up to 192 kHz
Post processing sampling rate	48 kHz	48 kHz	48 kHz	48 kHz	48 kHz
Dirac Live runtime with High Resolution mixed-phase filters	✓	✓	✓	✓	✓
Bass management (Standard/Expert with multiple bass zones)	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Multi-subwoofer channels	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Multi-way crossover (6 to 48 dB/oct, Linkwitz-Riley, Butterworth)	✓	✓	✓	✓	✓
Parametric EQ per channel	up to 20 filters	up to 20 filters	up to 20 filters	up to 20 filters	up to 20 filters
HDMI					
HDMI inputs / outputs	7/2	7/2	7/2	7/2	7/2
HDMI 2.0b / HDCP 2.2	✓	✓	✓	✓	✓
4K UHD, rec BT709 and rec BT2020	✓	✓	✓	✓	✓
High Dynamic Range: HDR10 / HLG / Dolby Vision	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓
Color Space and Subsampling	RGB, YCbCr4:4:4, 4:2:2, 4:2:0	RGB, YCbCr4:4:4, 4:2:2, 4:2:0	RGB, YCbCr4:4:4, 4:2:2, 4:2:0	RGB, YCbCr4:4:4, 4:2:2, 4:2:0	RGB, YCbCr4:4:4, 4:2:2, 4:2:0
Deep Color (12 bpc)	✓	✓	✓	✓	✓
Max. resolution support (18 Gbps)	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc
3D / OSD	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
ARC / eARC	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Audio Inputs					
Digital input: coaxial / optical	3 / 3	3 / 3	3 / 3	3 / 3	3 / 3
Digital input: AES/EBU 16ch (DCI compatible)	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module
Analog stereo inputs, balanced: XLR	1	1	1	1	1
Analog stereo inputs, unbalanced: RCA	4	4	4	4	4
Audio Outputs					
Analog main outputs, balanced (ch 1 to 16)	XLR	XLR	XLR	XLR	XLR
Analog main outputs, balanced (ch 17 to 24)	Optional Module	XLR	N/A	Optional Module	Optional Module
Analog main outputs, balanced (ch 25 to 32)	Optional Module	Optional Module	N/A	N/A	N/A
Analog main outputs, balanced (ch 17 to 32)	Optional Module	N/A	XLR	Optional Module	Optional Module
Analog secondary outputs, balanced (ch 1 to 16) (DB25)	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module
Stereo downmix outputs, analog, balanced	XLR	XLR	XLR	XLR	XLR
Digital output: AES/EBU 32ch (ch 1 to 32)	Optional Module	Optional Module	Optional Module	RJ45 (4)	N/A
Digital output: AVB 32ch (ch 1 to 32)	Optional Module	Optional Module	Optional Module	N/A	RJ45 (1)
Audio Inputs/Outputs					
Digital AES67 (Audio over IP): 32ch out / 16ch in	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module
Set-Up Management					
Multi-theater configuration (main & secondary outputs)	✓	✓	✓	(Q3 2020)	(Q3 2020)
Audio zones configuration	✓	✓	✓	✓	✓
Individual Theater and Zones source selection (Main & Zone2)	✓	✓	✓	✓	✓
Theater and Zones listening presets	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Dirac Live profiles	10 per Theater / Zone	10 per Theater / Zone	10 per Theater / Zone	10 per Theater / Zone	10 per Theater / Zone
Backup and restore of set-up	✓	✓	✓	✓	✓
Firmware update via USB / network	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Control Inputs / Outputs					
USB type A (upgrade and monitoring)	2	2	2	2	2
Ethernet / Wi-Fi	✓ / -	✓ / -	✓ / -	✓ / -	✓ / -
Output trigger control	4 (out)	4 (out)	4 (out)	4 (out)	4 (out)
IR remote ports, in / out (input loop through)	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
IR remote control sensor in front panel	✓	✓	✓	✓	✓
Control / Custom Installation					
Front panel display	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")
Web-based product configurator	✓	✓	✓	✓	✓
TCP/IP API based control	✓	✓	✓	✓	✓
StormRemote iPad control application	✓	✓	✓	✓	✓
Crestron, Control4, Savant, RTI home automation drivers	✓	✓	✓	✓	✓
Logitech Harmony IR database integration	✓	✓	✓	✓	✓
IR remote control handset	N/A	N/A	N/A	N/A	N/A
Power Supply					
Voltage range	100V to 240V	100V to 240V	100V to 240V	100V to 240V	100V to 240V
Type	SMPS	SMPS	SMPS	SMPS	SMPS
Range selection	Universal	Universal	Universal	Universal	Universal
Casing					
Home / Rack (removable ears)	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Net weight (kg / lbs)	13,1 / 28.8	13,2 / 28.9	13,6 / 29.9	13,3 / 29.3	13,3 / 29.3
Size	4RU	4RU	4RU	4RU	4RU
Dimensions (cm / inches)	49,00 x 47,90 x 19,10 / 19,29 x	49,00 x 47,90 x 19,10 / 19,29 x	49,00 x 47,90 x 19,10 / 19,29 x	49,00 x 47,90 x 19,10 / 19,29 x	49,00 x 47,90 x 19,10 / 19,29 x

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