STORM|AUDIO

ISP ELITE MK3 RANGE - SPECIFICATIONS

		ISP 16 MK3 Analog	ISP 24 MK3 Analog	ISP 32 MK3 Analog	ISP 32 MK3 Digital AES	ISP 32 MK3 Digital AoIP
Main Features	Auro-3D / Dolby Atmos / DTS:X Pro / IMAX Enhanced / MPEG-H / Sony 360 Reality Audio	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓
	StormXT channel expander	✓	✓	✓	✓	✓
	All grades Dirac Live licence included	✓	✓	✓	✓	✓
	Dirac Live Active Room Treatment supporting speakers	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
	StormMonitoring - remote monitoring	✓	✓	✓	✓	✓
Multichannel / Surround Processing	Output channels	16 (up to 32 optional)	24	32	32	32
	Decoding / upmixing channels	up to 16 (32 optional)	up to 32	up to 32	up to 32	up to 32
	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	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
	Flexible bass routing (up to 6 zones, Expert mode)	✓	✓	✓	✓	✓
	Multi-subwoofer channels	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
	Multi-way crossover (6 to 48 dB/oct, Linkwitz-Riley, Butterworth)	up to 4 per channel	up to 4 per channel	up to 4 per channel	up to 4 per channel	up to 4 per channel
	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
	Standard	HDMI 2.1a / HDCP 2.3	HDMI 2.1a / HDCP 2.3	HDMI 2.1a / HDCP 2.3	HDMI 2.1a / HDCP 2.3	HDMI 2.1a / HDCP 2.3
	Matrix capability for multi-room	✓	✓	✓	✓	✓
	4K UHD, rec BT709 and rec BT2020	✓	✓	✓	✓	✓
	High Dynamic Range : HDR10 / 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 (40 Gbps)	8K/4K 120fps	8K/4K 120fps	8K/4K 120fps	8K/4K 120fps	8K/4K 120fps
	3D / OSD	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
	ARC / eARC	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Audio Inputs	Streaming: Roon ready end point	✓	✓	✓	✓	✓
	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	N/A
	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
	Stereo downmix Zone2 output	Digital Optical TosLink	Digital Optical TosLink	Digital Optical TosLink	Digital Optical TosLink	Digital Optical TosLink
	Digital output: AES/EBU 32ch (ch 1 to 32)	Optional Module	Optional Module	Optional Module	RJ45 (4)	N/A
Audio Inputs / Outputs	Digital AES67 (Audio over IP): 32ch in / 32ch out	Optional Module	Optional Module	Optional Module	N/A	RJ45 (2)
Set-Up Management	Multi-theater configuration (main & secondary outputs)	✓	✓	✓	✓	✓
	Audio zone configuration	✓	✓	✓	✓	✓
	Individual theater and zone 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 5")	✓ (TFT 5")	✓ (TFT 5")	✓ (TFT 5")	✓ (TFT 5")
	Advanced control via front panel	✓	✓	✓	✓	✓
	Web-based product configurator	✓	✓	✓	✓	✓
	TCP/IP API based control	✓	✓	✓	✓	✓
	StormRemote control application (iOS / Android)	✓	✓	✓	✓	✓
	Crestron, Control4, Savant, RTI, ELAN home automation drivers	✓	✓	✓	✓	✓
	Logitech Harmony IR database integration	✓	✓	✓	✓	✓
	IR remote control handset	✓	✓	✓	✓	✓
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 D x L x H - no ears, no feet (cm)	46,58 x 44,2 x 17,6	46,58 x 44,2 x 17,6	46,58 x 44,2 x 17,6	46,58 x 44,2 x 17,6	46,58 x 44,2 x 17,6
	Ears : +4 cm (2 x 2 cm) - Feet : + 2 cm					
	Dimensions - with box (cm)	67 x 63 x 33	67 x 63 x 33	67 x 63 x 33	67 x 63 x 33	67 x 63 x 33

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