STORM|AUDIO

ISR FUSION 20 - SPECIFICATIONS

	ISR Fusion 20
Main Features	
Auro-3D / Dolby Atmos / DTS:X Pro / IMAX Enhanced	✓ / ✓ / ✓ / ✓
StormXT channel expander	✓
Dirac Live license included	✓
Dirac Live Active Room Treatment supporting speakers	Unlimited
StormMonitoring - remote monitoring	✓
Multichannel / Surround Processing	
Output channels	20
Decoding / upmixing channels	20
Input sampling rate supported	up to 192 kHz
Post processing sampling rate	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
Multi-way crossover (6 to 48 dB/oct, Linkwitz-Riley, Butterworth)	up to 4 per channel
Parametric EQ per channel	up to 20 filters
HDMI	
HDMI inputs / outputs	7/2
Standard	HDMI2.1a / HDCP2.3
Matrix capability for multi-room	✓
8K / 4K120, rec BT709 and rec BT2020	✓
High Dynamic Range : HDR10+ / HLG / Dolby Vision	✓ / ✓ / ✓
Color space and subsampling	RGB, YCbCr, 4:4:4, 4:2:2, 4:2:0
Deep color (12 bpc)	✓
Max. resolution support (40 Gbps)	8K/4K 120fps
3D / OSD	✓ / ✓
ARC / eARC	✓ / ✓
Audio Inputs	
Streaming: Roon ready end point	✓
Digital input: coaxial / optical	3 / 3
Analog stereo inputs, balanced : XLR	1
Analog stereo inputs, unbalanced: RCA	4
Audio Outputs	
Analog main outputs, amplified (ch 1 to 16)	5-way binding posts
Analog main outputs, balanced (ch 17 to 20)	XLR
Stereo downmix Zone2 outputs	Digital Optical
Amplifier specifications	
Max Power per channel (p-rated), 1% THD, Single Ended (SE) outputs	150W (8ohm) / 300W (4ohm)
Max Power per channel, 1% THD,, Bridged Tied Load (BTL) outputs (Up to 3 configurable)	500W (8ohm) / 500W (4ohm)
Continous Power capability	2000W
Peak Power Capability (CEA-490-A)	2500W
THD+N, 5W, SE	< 0,0015 %
SNR, 5W, SE	> 100 dB
SNR, p-rated, SE	> 115 dB
Set-up Management	
Audio zone configuration	✓
Individual theater and zone source selection (Main & Zone2)	✓
Theater and zones listening presets	Unlimited
Dirac Live profiles	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
Ethernet / Wi-Fi	✓ / -
Output trigger control	4 (out)
IR remote ports, in / out (input loop through)	1 / 1
IR remote control sensor in front panel	✓
Control / Custom Installation	
Front panel display	✓ (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
Type	SMPS
Range selection	Universal
Casing	
Home / rack (removable ears)	✓ / ✓
Net weight (kg / lbs)	16 / 35,3
Size	4RU
Dimensions - no ears, no feet (cm)	49,1 x 44,2 x 17,4
Ears : +4 cm (2 x 2 cm) - Feet : + 2 cm	
Dimensions - with box (cm)	62 x 54 x 30