

speedcast

MEDIA NETWORK

Product LINE - THE NEBULA IP+ 1U EDGE DEVICE

SMN “Nebula IP+” Protected IP I/O Video Routing



InAria! “Nebula IP+” Network Appliance Technical Specifications

In Aria! Appliance Physical Specifications

Control and Monitoring: In Aria! IP only network appliance Customer Management and Monitoring Web Portal
Power: 55 W (max power draw (110-240VAC @50-60Hz)
Physical: 1 RU low depth chassis (19" x 10" x 1.7"), net weight 5,5lb
Mounting: 1 standard rack units with brackets
Ports: 2 x GB Ethernet, 2X USB
Transport: 1Gig Ethernet, IP MPEG-2 Transport Stream ISO/IEC standard 13818-1 Multiple TS channels (SPTS & MPTS) can be transported simultaneously up to 500 Mbps

In Aria! network appliance

In Aria! Nano IP Only (Protected MpegTS Routing with In Aria! OttvideoOS patented protocol) appliance

Mpeg-TS Tunneling

Auto-adaptive FEC combined with proprietary SR-ARQ low overhead error correction
Auto-latency, with minimal protected transport latency (120ms)
Encryption RSA + AES 128 & 256
Primary and backup source MpegTS
Primary and backup destination with auto failover to back-up RX
Auto SR-ARQ Timing and tuning
SPTS, MPTS transport
Multiple UDP Port Stream (pool of ports) for basic multi path capabilities
Auto Re-socketing system built-in

Routing

Reflector/proxy functionality over any other In Aria! network node.
DSCP QoS Support
Static Routes for MLPS Integration, ultra low latency MPLS module integration

In Aria! network appliance node

Clustering main/backup with auto failover of all active services
Cloud based platform registration DB (for centralized node management, monitoring & multi user alerting system)
Cloud Based licensing system
Cloud Based API for auto management of all nodes in the global DB
Centralized Remote Management of professionals IRD, Encoder and Decoders connected to the nodes via built in VPN access
Cloud Based Permanent and Occasional Use centralized management of video feeds