

Nimbra 414

Overcome high costs, limited availability and long lease times with Nimbra 414.



Technical specifications

Input formats:

Video: SMPTE 2022-2
SMPTE 259M
SMPTE 292M
SMPTE 424M

Audio: AAC-LC, HE-AAC, MPEG-2 layer II, AES3

Container format: MPEG-TS (encode/decode SPTS or transport MPTS)

Resolutions: SD 480 and 576. HD 720 and 1080

Scan mode: Progressive and interlaced

Frame rates: 25, 29.97, 30, 59.94, 50, 60 fps

Chroma format: 4:2:0

Sample bit depth: 8-bit

Onboard Signal Generator

Video encoding formats:

H.264 up to High Profile Level 4.2
H.265 up to Main Profile Level 4.1

Interfaces:

4x 10 Gb RJ-45, 1000BASE-T
4x 3G-SDI/ASI HD-BNC, 75 ohm+ 1x Genlock input

Networking:

Path Protection: RIST, SRT, Zixi, FEC

Redundancy: Link Bonding, Adaptive Link Protection, Adaptive Source Protection

Ingress & Egress Handoff: TSoIP (UDP/IP) SMPTE 2022-2, Unicast & Multicast, RTP with optional FEC (SMPTE 2022-1)

Security: Embedded Firewall, Remote VPN capabilities, AES-128/192/256 based Video Encryption

Performance Monitoring:

Video: R-101 290 Priority 1 & Priority 2, Transport Stream information for PAT, PMT, PCR, NULL Packets, Video, Audio and Data stream details, Thumbnails with SDI input only

IP & Ethernet: Packet counters, loss, delay, delay variation

Management:

Protocols: SNMP (v1/v2c/v3)

Element Manager: Graphical Web UI

NMS Support: Nimbra Vision for alarms, provisioning & performance, Touch & Switch for rapid service activation, Customer Provisioned Networks for powerful scheduling & booking

Customizable Node Alarms: Bitrate threshold (UDP), Unrecovered packets, Stream supervision (ANC and audio)

Power & Environmental:

Power: Single or dual 400W hot-swappable AC/DC gold level power supply

Operating temp: 5 to 35 °C (41 to 95 °F)

Storage temp: -40 to 70 °C (-40 to 158 °F)

Relative humidity: 8% to 90% (non-condensing)

Regulatory Compliance:

Safety: IEC/UL/EN 60 950-1

EMC: FCC part 15B, EN 55022, EN 55024, EN 55103-2, EN 55032, EN 61000-3-2, EN 61000-3-3

CE Marking: 768/2008

Dimensions: HxWxD: 43mm (1.7") x 437mm (17.2") x 429mm (16.9")

Weight: 8.16 kg (18 lbs)

Rack mount: 1RU, IEC 60297 (19")

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