

CLOUD MEETS ON-PREM

# Highly adaptable cloud-connected professional receiver

**MK.IO Beam for reception** is engineered to meet the evolving demands of processing at the edge of your network, delivering high-quality video and audio decode with maximum efficiency. Its flexible architecture allows for seamless integration into existing workflows, providing a future-proof solution for content turnaround and distribution.

# Tech specs

## INPUT

Compressed input	IP inputs with IGMPv3-based redundancy, dual multicast redundancy, Pro-MPEG FEC, SRT, RTMP, MPEG-2 TS
Satellite	Demodulation: DVB-S, DVB-DSNG, DVB-S2, DVB-S2X

## VIDEO DECODING

Video codecs	MPEG-2, H.264, HEVC, JPEG-XS
Chroma & bit depth	4:2:0, 4:2:2, 10-bit / 8-bit
Resolutions	480i (SD), up to 2160p (UHD)
Framerates	23.98, 24, 25, 29.97, 50, 59.94
Transcoding	MPEG-2/H.264/HEVC to MPEG-2/H.264/HEVC
Conversion	HDR to SDR UHD to HD, HD to HD (1080p to 1080i and 1080p to 720i), HD to SD

## MONITORING & CONTROL

Cloud control	MK.IO
Interface	Web interface or REST API
Standard protocols	SNMP, NTP, IGMP

## AUDIO DECODING

Audio codecs	MP1L2, AAC, AAC 5.1, HE-AAC v1 & v2, HE-AAC 5.1, Dolby Digital (AC3) 2.0 & 5.1, Dolby Digital Plus (E-AC-3) 2.0 & 5.1
Audio channels	Up to 8 stereo pairs per service
Passthrough	Linear PCM, Dolby E, Dolby ED2, DD, DD+

## COMPRESSED OUTPUT

Format	SPTS, MPTS
Protocols	IP, UDP, RTP, RTMP/RTMPS, ASI
Reliable transport	SRT caller/listener mode, RIST sender/listener mode, Zixi sender/receiver
Line rate	Up to 25GbE

## UNCOMPRESSED OUTPUT

Baseband over IP	SMPTE ST 2110 with NMOS IS-04, 05 and PTP, SDI over IP (SMPTE ST 2022-6)
SDI	Up to 8xHD-SDI or 8x3G-SDI or 1x12G-SDI
Connector	BNC (F) 75 ohms

## METADATA

Subtitles	Passthrough and translation for EIA 608/708 Closed Captions, SCTE-20, DVB Teletext, DVB Subtitles, SCTE-27
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## CONTENT REPLACEMENT

Ad insertion	Ingested MPEG-TS stored locally Scheduled based on SCTE-35 Out-of-band fallback
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## CONTENT SECURITY

Decryption	BISS Mode 1 & E, BISS CA, Fixed key 128/256 AES, Director v6
Common interface	All major CAMs supported

# Commercial

MK.IO Beam is charged on-demand, per channel to align with your distribution consumption.

## PERPETUAL

	Per channel rate
Decode	\$3,000
	+
Standard transcode	\$3,400
Premium transcode <small>Adds UHD and JPEG-XS</small>	\$7,200

## PAY AS YOU GO

	Per channel rate	
Decode	\$91 /month	\$3.80 /hour
	+	+
Standard transcode	\$124 /month	\$5.14 /hour
Premium transcode <small>Adds UHD and JPEG-XS</small>	\$260 /month	\$10.96 /hour

Pricing valid until 06/30/2026

# Dimensioning

MK.IO Beam runs on certified COTS servers or on servers provided by MediaKind.

## A-SERIES

Short form factor, economical, low density

	Maximum capacity
HD AVC 4:2:2	4 channels
HD HEVC 4:2:2	3 channels
HD JPEG-XS 4:2:2	4 channels
UHD HEVC 4:2:2	1 channel

## C-SERIES

2RU multi-slot, standard form factor, high I/O

	Maximum capacity
HD AVC 4:2:2	9 channels
HD HEVC 4:2:2	8 channels
HD JPEG-XS 4:2:2	8 channels
UHD HEVC 4:2:2	3 channels

## E-SERIES

Standard form factor, high density, high I/O

	Maximum capacity
HD AVC 4:2:2	24 channels
HD HEVC 4:2:2	24 channels
HD JPEG-XS 4:2:2	24 channels
UHD HEVC 4:2:2	6 channels

MK.IO Beam for reception

2026-03-16-v8

# Support

## HARDWARE SUPPORT

### Beam Hardware

For MK.IO Beam deployments on MK.IO Beam hardware.

- ✓ Hardware repair services
- ✓ MediaKind remote diagnostics
- ✓ Coverage includes MK.IO Beam hardware and I/O cards (not software)

## SOFTWARE SUPPORT

### Beam Base

- ✓ Access to ticketing system

### Beam Enhanced

Everything in Beam Base and:

- ✓ Reactive support services with service-level agreement (SLA) and service credits
- ✓ Access to latest software releases
- ✓ Technical support ops available on chargeable basis

### Beam Premier

Everything in Beam Enhanced and:

- ✓ Assigned customer success manager
- ✓ Dedicated Slack channel
- ✓ 5 hours per month of technical ops support
- ✓ Additional technical support ops hours at discounted rate

## SLA response times

Severity	1 – Critical	2 – Major	3 – Minor	4 – Technical query
Response	30 min	1 hour	12 business hours	5 business days
Remedy	8 hours	16 business hours	Date shared within 10 business days	–
Restore	Date shared within 10 business days	Date shared within 10 business days	–	–

## Cold spares

Customers are encouraged to purchase cold spares:

- Ideal for mission-critical environments
- MK.IO Beam software entitlements are easily transferred to spare units
- MK.IO Beam licences tied to MK.IO account for seamless reallocation