



## MOSAIC

# MBC-7000 Series

The MBC-7000 family of products enables creation of a mosaic channel from a mixture of sources in a variety of layouts.

DVBS DVBC IPTV DVBT internetTV

### Model Description

- MBC-7020 – for up to 20 simultaneous channels.

### Series Highlights

- MBC-7000 produces the mosaic as an HD or SD service over IP (SPTS), allowing flexible integration.
- Encoding at H.264 or MPEG-2.
- Supports Mpeg-2, H.264 both SD and HD sources.
- Flexible output stream bitrate, down to 1mbps for streaming Internet streaming.
- Supports audio remuxing of any audio format
- User configurable layouts, with user defined background.
- Dynamic layout cycling
- Round robin, seamless layout changes.
- Small foot print - 1RU unit
- Cost effective

### Applications

- DVB-C mosaic channel
- IPTV mosaic channel
- Remote Monitoring





### Inputs

Physical	IP	2-6 Gigabit ports
Transport	MPTS/SPTS/RTP	Supports separate MPTS per channel
Video Decoding	MPEG-2	SD up to 15mbit per channel
	H.264	SD up to 3mbit per Channel, HD up to 15mbit per Channel
Audio	Passthrough	All Types

### Layouts

Frames	max frames per layout	20
Cycling	Interval layout cycling	10-600 seconds
Sources	max video sources	up to 200 channels
Background	JPEG image	uploadable via WEB interface
Caption	onscreen channel name	optional, configurable

### Control and Monitoring

Configuration	Remote	WEB based management, CLI
	Software upgrade	via WEB interface / FTP
Alerts	Input sources	Video loss, Stream loss
		SNMP traps, Email

### Outputs

Physical	IP	2-6Gigabit ports
Transport		SPTS/UDP
Video Encoding	Encoding	MPEG-2: MP@HL, H.264: MP@L5
	Encoding Features	GOP size selection, VBV limiting, de-blocking, scene cut detection, adaptive GOP, MBAFF, CABAC
	Resolution	HD: 1920x1080i SD: 704x576i
	Rate Control, Bitrate	CBR, capped VBR, MPEG-2 up to 30mbps, H.264 up to 15mbps

### Physical Characteristics

	Size	1RU (19" rack), 4.32x43x50.8 cm (H x W x L)
	Cooling	Front to rear
	Power	90-264 VAC (optional redundant power supply*)

\* optional

### Ordering Information

#### Base Units

- MBC-7020 – 20 Channel mosaic



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