



MOSAIC

MBC-7000 Series

The MBC-7000 series creates a flexible mosaic channel of selected sources in a variety of layouts, allowing dynamic cycling between hundreds of channels.

DVBS DVBC IPTV DVBT InternetTV

Model Description

- MBC-7000 - Mosaic Generation

Series Highlights

- Mosaic produced as an HD or SD service over IP (SPTS), allowing flexible integration
- Playback with standard off the shelf IP STB
- 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 internet streaming
- Supports audio remuxing of any audio format
- User configurable layouts with user defined background
- Dynamic layout cycling
- System utilizes standard off the shelf hardware
- Cost effective

Applications

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





Input

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, HD up to 30mbit per channel
	H.264	SD up to 3mbit per channel, HD up to 20mbit per channel
Audio	Passthrough	All types

Layouts

Frames	Max frames per layout	40
Cycling	Interval layout cycling	10-600 seconds
Sources	Max video sources	Up to 200 channels
Background	JPEG image	Upload 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
	Notifications	SNMP traps, email

Output

Physical	IP	2-6 Gigabit ports
Transport		SPTS/UDP
Video Encoding	Encoding	MPEG-2: MP@HL, H.264: MP@L4.1
	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 20mbps

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)



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