

Specifications		
Video	Profile	MB86H45: H.264 high profile / level 4.0 Half-duplex Codec MB86H46: H.264 high profile / level 4.2*1 Half-duplex Codec
	Resolution	1920 x 1080 x 60p/50p (MB86H46 only), 1920 x 1080 x 60i/50i/30p/24p, 1440 x 1080 x 60i/50i/30p/24p, 1280 x 720 x 60p/50p, 720 x 480 x 60i, 720 x 576 x 50i Up/Down scaler embedded
	Bit Rate	MB86H45: 24Mbps (max.), MB86H46: 30Mbps (max.)
	Interface	SMPTE 274M/SMPTE296M-2001, ITU-R BT.656, External sync mode (H/V/F + 16-bit data)
Audio	Format	Dolby® Digital (AC-3)*2, MPEG-2/4 AAC (LC profile), MPEG-1 Audio Layer 2, Linear PCM
	Channels	Max. 5.1ch*3
	Interface	I ² S, S/PDIF
System	Format	ISO/IEC13818-1 + Amd3 (MPEG-2 TS), Video/Audio ES output
	Interface	8-bit parallel, Serial, PCI
Host Interface	General 16-bit parallel, Serial, PCI	
Peripheral I/O	SPI	
Input Clock Frequency	27MHz	
Operating Frequency	MB86H45: 108MHz (internal memory interface only: 135MHz)	
	MB86H46: 189MHz (internal memory interface only: 189MHz)	
Power Consumption (including memory)	MB86H45: 500mW (typ., 1.2V, 1920x1080x60i at encoding)	
	MB86H46: 850mW (typ., 1.2V, 1920x1080x60p at encoding)	
Package	FBGA 650pin 15mm square SiP (Ball pitch 0.5mm)	
Memory	512Mbit FCRAM x 1	
Quality grade	For low/medium volume non-consumer equipment with operation time more than 8 hours (e.g. head-end, broadcast equipment, etc.)	

*1 Support up to a maximum of 30Mbps bit rate.

*2 Dolby is a registered trademark of Dolby Laboratories.

*3 Number of channels depend on audio format.

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