



Stand alone modulators

Digital TV modulator

Converting of TSoIP input signal into 2 QAM/COFDM modulated channels.

- software switchable standards DVB-C/DVB-T/J.83B/ISDB-T
- SPTS or MPTS input stream
- any service to any output
- PCR restamping
- RTSP protocol of H.264, H.265 conversion to transport stream
- IP camera discovery and control
- Web control panel via Ethernet port
- RF loop through input
- die-cast housing inside plastic case
- connectors:
RF input/output - type F
Ethernet control, Ethernet stream input - RJ-45
DC entry - 3.5/1.3 mm DC jack

CABRIOLINE



Technical specifications		MI520*			
T Y P E		MI520*			
Ordering number		see ordering information*			
IP input	standard	IEE802.3 10/100 BaseT			
	bit rate	< 80 Mbit/s			
	protocols	UDP / RTP / RTSP			
	MPTS, SPTS	Yes			
RF output	number of channels	2			
	standard	DVB-T	ISDB-T	DVB-C	J.83B
	modulation	QPSK/QAM16/QAM64	QPSK/QAM16/ QAM64/DQPSK	QAM16/QAM32/ QAM64/QAM128/QAM256	QAM64/QAM256
	frequency range	174-230 MHz, 470-862 MHz		96-862 MHz	
	channel allocation	adjacent			
	level/impedance	90 dB μ V/75 Ω			
	MER	≥ 35 dB		≥ 40 dB	
	channel bandwidth	7/8 MHz	6 MHz	1.15...8.3 MHz	6 MHz
	guard interval	1/4, 1/8, 1/16, 1/32		-	
	code rate	1/2, 2/3, 3/4, 5/6, 7/8		-	
	symbol rate	-		1...7.2 Msps	5.057/6.36 Msps
	transmission mode	2K		-	
	total output level adjustment	0 \div 30 dB by 1 dB step			
	loop through frequency range/loss	45-862 MHz / ≤ 2.5 dB			
	Management port	standard IEE802.3 10/100 BaseT (same as stream input)			
UI language	multilingual				
Current consumption	12 \pm 1 V 375 mA (MI520)				
Power consumption	100-240 V~ 50/60 Hz 5.5 W (MI520P)				
Operating temperature range	0 $^{\circ}$ \div +40 $^{\circ}$ C				
Dimensions/Weight (packed)	133x63x39 mm/0.18 kg (MI520); 133x63x39 mm/0.26 kg (MI520P)				

pr. software control

* ordering information: Type	Ordering number
MI520	14809
MI520P	14813

MI520P is packed with external power supply SYS1381-1212-W2E.



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Power supply

- switch-mode technology
- short circuit and overload protected



Technical specifications	
T Y P E	SYS1381-1212-W2E
Ordering number	00635
DC output	+12 V 1 A max.
Mains voltage	100-240 V~ 50/60 Hz
Operating temperature range	0° ÷ +40° C
Dimensions/Weight (packed)	63.6x29.5x45.6 mm/0.091 kg

Application diagram

The injection of the video streams from IP CCTV cameras into SMATV distribution network.

