



# 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 video H.264/H.265, audio AAC 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*			
<b>Ordering number</b>		see ordering information*			
<b>IP input</b>	standard	IEEE802.3 10/100 BaseT			
	bit rate	≤ 80 Mbit/s			
	protocols	UDP / RTP / RTSP			
	MPTS, SPTS	Yes			
<b>RF output</b>	number of channels	2			
	standard	<b>DVB-T</b>	<b>ISDB-T</b>	<b>DVB-C</b>	<b>J.83B</b>
	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 dBμV/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 ÷ 30 dB by 1 dB step			
	loop through frequency range/loss	45-862 MHz / ≤ 2.5 dB			
	<b>Management port</b>		standard IEEE802.3 10/100 BaseT (the same as stream input)		
<b>UI language</b>		multilingual			
<b>Current consumption</b>		12 ± 1 V 375 mA (MI520)			
<b>Power consumption</b>		100-240 V~ 50/60 Hz 5.5 W (MI520P)			
<b>Operating temperature range</b>		0° ÷ +40° C			
<b>Dimensions/Weight (packed)</b>		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.