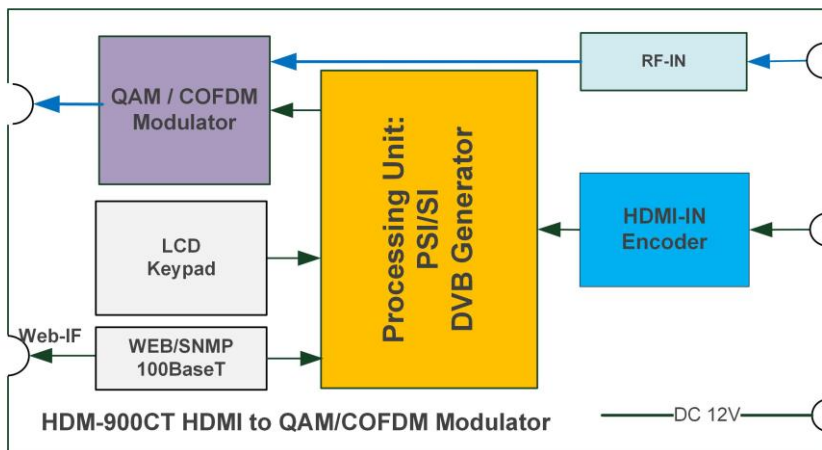


HDMI Encoder & DVB-C/T Modulator



A compact agile DVB-C/T compliant QAM/COFDM one channel modulator with HDMI Full-HD Input. Local- and remote configuration (Web-IF).

- Input: 1x HDMI to Output: CATV -Coax
- MPEG4 AVC/H.264 Encoder up to 1080p60
- Audio encoding MPEG1 Layer2, AAC
- Fast Ethernet RJ 45 Interface for NMS
- Nominal RF Output power max. 100dBμV, Range: 50...950MHz
- 0...30dB adjustable attenuation, integrated combiner
- DVB-C QAM: 8MHz, Symbol Rate up to 9000 64, 128, 256QAM modulation modes
- DVB-T COFDM: 6,7,8MHz max. 1/32 GI, FFT 2k/8k
- Information channels in hotels or public spaces by Coax
- Applications like CCTV, Media-Player, PC, ... to DVB-C/T
- Wall mounting support



BLANKOM HDM-900CT

DVB-C compliant HDMI to QAM Modulator as add-on Channel to existing CATV networks or serving Information-Channels or Digital Signage by Cable-TV.

Full HD h.264 compatible in Distribution of SD, HD TV channels through the existing CATV Coax network using state-of-art HDMI to QAM DVB-C or DVB-T technology from almost any kind of video format inputs up to 1080p60.

TV distributions in home entertainment, surveillance control, hotels, digital signage, shops, bars, etc.

Excellent Video and Audio quality.

High reliability.

No regular service and maintenance needed during operation.

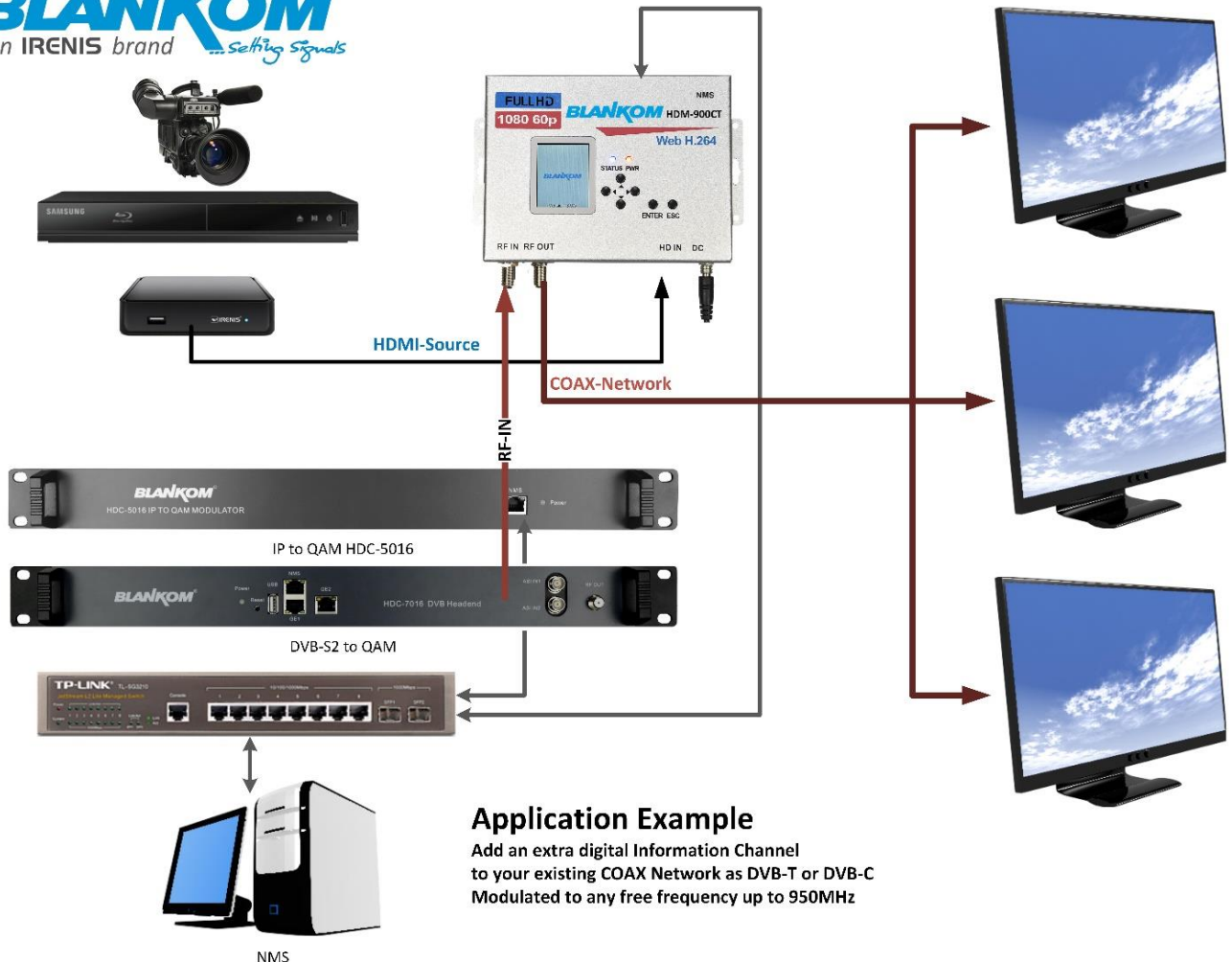
Technical Specifications

Parameter	Symbol	Description	Unit	Remark
Mechanical dimensions				
Height	H	35	mm	Weight 400g
Width	W	175	mm	
Depth	D	135	mm	
HDMI IN				
	SD	HD	Max encoding bitrate 25Mbps	
Input format encoding	PAL,NTSC	720@50p,720@60p 1080@50i/p,1080@60i/p		Output – RF channel h.264 max. 1080@60p
Audio codecs		MPEG-1 Layer2, AAC, AC3*	48kHz	*) upon request, under dev.
Ethernet Port				
Type	-	100BASE-T		
Connector	-	RJ45		
Compatible protocol	-	http		Default 192.168.0.168
RF IN- & Output				
Impedance	-	75	Ω	
Connector	-	F-female		Internal combiner
Frequency	-	50...950	MHz	
Output level	-	>100	dB μ V	Adjustable (0...-30dB)
Modulation Specification DVB-C Annex A/C				
Modulation scheme	-	64...256	QAM	
Bandwidth	BW	8	MHz	
MER	-	≥ 35	dB	Typ.
Symbol Rate	SR	5000...7000	kS/s	(up to 9000)
Effective bit rate	-	≤ 51.6	Mbps	SR=7Mbaud, 256QAM
Standard:		ITU-T J.83A/C		
Modulation Specification DVB-T COFDM				
Code Rate	FEC	1/2, 2/3, 3/4, 5/6, 7/8		
Bandwidth	BW	6, 7, 8	MHz	
Constellation		QPSK, 16QAM, 64QAM		
Guard Interval		1/4, 1/8, 1/16, 1/32		
FFT		2k / 8k		

Parameter	Symbol	Min.	Max.	Unit
Supply Voltage	V	12	14	VDC
Supply Frequency	F	49	51	Hz
Power Consumption	C		12 (12V/1A)	W
Operating Temperature	Tw	0	+50	$^{\circ}$ C
Storage Temperature	Ts	-25	+55	$^{\circ}$ C
Operating Humidity	H	0	45	%
Upgrade	By Web-Interface			

Application Example and corresponding Devices:

BLANKOM[®]
an IRENIS brand ... Selling Signals



Designed and tested to operate with the following BLANKOM products:

- HDC-5016 IP to QAM
- HDC-7016 DVB-S/S2 to QAM
- Professional Encoder: EMU 8xxx series
- All our boxed Encoder-Streamer HDE/SDE...
- In combination with IPQAM-801

