



Foreword

ACE3542B all-in-one devices which integrate encoding (MPEG-2, MPEG-4/AVC H.264) and modulation to convert HDMI/YPbPr /CVBS (Pr in) signals etc to digital RF output. To meet customers' various requirements, ACE3542B is also equipped with 1 ASI input, and output with 2 ASI ports and 1 IP port. The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, and antenna etc. Its output signals are to be received by TVs, STB and etc with corresponding standard. ACE3542B series products are widely used in public places such as metro, market hall, theatre, hotels, restaurants and etc for advertising, monitoring, training and educating in company, schools, campuses, hospital... It's a good choice to offer HD channels and more.

Features:

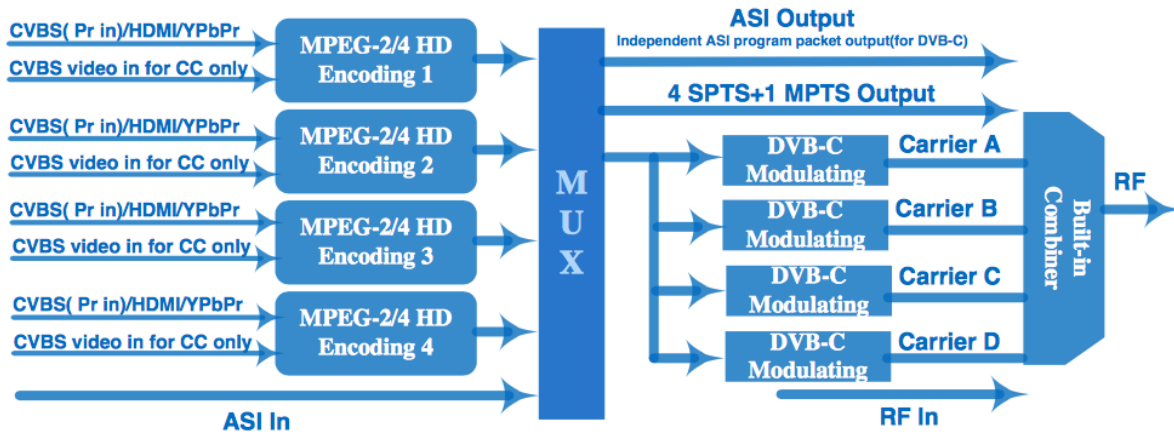
- MPEG2 HD & MPEG4 AVC H.264 HD video encoding
- DD AC3 (2.0), MPEG4-AAC, MPEG2-AAC, MPEG1 Layer II audio encoding
- Support DD AC3 (2.0/5.1/7.1) passthrough (for HDMI interface only)
- 4* HDMI/YPbPr/CVBS (Pr in) channels in
- 1*ASI in for re-mux; 1*RF in for RF mix
- 2*DVB-T RF out (4* DVB-C RF, 2*ISDB-T,4*ATSC out optional); ASI out; IP out
- Support CC (Closed Caption) EIA608, (from CVBS source only)
- Support Low Delay
- LCN (Logical Channel Number) support
- VCT (Virtual Channel Table) support— for DVB-C and ATSC
- Excellent modulation quality
- LCD display, Remote control and firmware
- Web-based NMS management; Updates via web

Specification:

Encoding Section	Video (HDMI)	Encoding	MPEG2; MPEG4 AVC/H.264
		Interface	HDMI*4
		Resolution	1920*1080_60P, 1920*1080_50P (For MPEG 4 AVC/H.264 only), 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P
		Low Delay	Normal, Mode 1, Mode 2
		Aspect Ratio	4:3; 16:9
	Audio (HDMI)	Encoding	MPEG1 Layer II; MPEG2-AAC; MPEG4-AAC; DD AC3 (2.0) Optional; DD AC3 (2.0/5.1/7.1) passthrough
		Interface	HDMI*4 /SPDIF*4
		Sample rate	48KHz
		Bit rate	64/96/128/ 192/256/320kbps
	Video (CVBS/YPbPr)	Encoding	MPEG2; MPEG4 AVC/H.264
		Interface	CVBS/YPbPr*4 (RCA)
		Resolution	CVBS: 720*576_50i, 720*480_60i YPbPr:1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P
	Audio (L/R)	Encoding	MPEG1 Layer II; MPEG2-AAC; MPEG4-AAC; DD AC3 (2.0) Optional
		Interface	4*Stereo/8*mono/4*SPDIF
		Sample rate	48KHz
		Bit rate	64/96/128/ 192/256/320kbps
DVB-T Modulator Section (Option)	Standard	EN300744	
	FFT mode	2K, 8K	
	Bandwidth	6M, 7M, 8M	
	Constellation	QPSK, 16QAM, 64QAM	
	Guard Interval	1/4, 1/8, 1/16, 1/32	
	FEC	1/2, 2/3, 3/4, 5/6, 7/8	
	MER	≥42dB	
	RF frequency	30~960MHz, 1KHz step	
	RF out	COFDM DVB-T out (2 carriers combined out)	
	RF output level	-30~ -10dbm (81~97 dB μ V), 0.1db step	
DVB-C Modulator Section (Option)	Standard	J.83A (DVB-C), J.83B, J.83C	
	MER	≥43dB	
	RF frequency	30~960MHz, 1KHz step	

	RF output level	-30~ -10dbm (77~97 db μ V), 0.1db step		
	Symbol rate	5.000~9.000Msps adjustable		
	RF out	4*DVB-C adjacent carriers combined output		
		J.83A	J.83B	J.83C
	Constellation	16/32/64/128/ 256 QAM	64/ 256 QAM	64/ 256 QAM
	Bandwidth	8M	6M	6M
ISDB-T Modulator Section (Option)	Standard	ARIB STD-B31		
	Constellation	DQPSK,QPSK, 16QAM, 64QAM		
	Guard Interval	1/32, 1/16, 1/8, 1/4		
	Transmission Mode	2K, 4K, 8K		
	Guard Interval	1/32, 1/16, 1/8, 1/4		
	Code rate	1/2, 3/4, 5/6, 7/8		
	RF frequency	30~999MHz, 1KHz step		
ATSC-T Modulator Section (Option)	Standard	ATSC A/53		
	Constellation	8 VSB		
	RF output level	-30~ -10dbm (77~97 db μ V), 0.1db step		
	MER	\geq 42dB		
	RF frequency	30~999MHz, 1KHz step		
System	Local interface	LCD + control buttons		
	Remote management	Web NMS		
	Stream Out	2 ASI mirrored out (BNC type, 100M); IP (4 SPTS+1MPTS) over UDP, RTP/RTSP out,RJ45, 100M (MPTS is available for DVB-C/ATSC out versions)		
	NMS interface	RJ45, 100M		
	Language	English		
General	Power supply	AC 100V~240V		
	Dimensions	482*400*44mm		
	Weight	4.5 kg		
	Operation temperature	0~45°C		

Application:



For DVB-T output, it is designed to support 2 adjacent carriers
 For ISDB-T output, it is designed to support 2 adjacent carriers
 For ATSC output, it is designed to support 4 adjacent carriers
 MPTS is available for DVB-C/ATSC out versions

