

# Toner

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## DCST-5X

### QAM Digital Settop Converter

**Accepts 64/256  
Clear QAM**



#### FEATURES

- Full MPEG2 / MPEG4, H-264 / AVC, ATSC Compliant
- Standard Definition / High Definition
- 54 - 1000 MHz Bandwidth
- Xcrypt Conditional Access Ported
- Uses Standard Smart Card CAS
- USB PVR / Timeshift
- HDMI 1.3 with HDCP 1.1
- Composite Video, L / R Audio Output
- I/R Remote Extender (Optional)
- Basic Menu and Channel Guide
- 45 Button Learning Remote Control
- Fully licensed MPEG LA, MPEG Audio, Dolby AC3 Down Mix, HDMI / HDCP
- Fully PSIP Compliant
- EPG Up To 7 Days
- Dimensions 6.2"W x 3.7"D x 1.1"H (160mm x 94mm x 28mm)
- Weight 7.2 oz, (0.2 Kg)



## DCST-5X

### QAM Digital Settop Converter

Memory and Chip	
CPU	3715
SDRAM	128 MB DDR3
Internal Flash	8 MB

Front Panel	
Display	4-digit 7-Segment LED
Front Panel Keys	5 Keys

Remote Control	
Type	Infrared (Carrier Freq. 38kHz)
Remote	2 x 1.5 V AAA

Physical Specifications	
Dimension (W x D x H)	160 x 94 x 28mm
Net Weight	0.2kg
Operation Temperature	0 – 40 °C

Power Supply	
Operating Voltage	External power supply 12VDC 1A 100-240VAC 50/60Hz
Power Consumption	Stand by <1mW; Normal operation: <10W

All specifications are subject to change without prior notice.

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## DCST-5X QAM Digital Settop Converter

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<b>Input</b>	
Input frequency	52.5 ~ 1000Mhz
Input level range	-20 - 40 dBmV
Demodulator [DVB-C, Annex B]	<ul style="list-style-type: none"> <li>- ETSI 300-429</li> <li>- ITU-T J.83 Annex B -64/256QAM</li> <li>- Bandwidth: 6 MHz</li> <li>- Symbol rates 1.5M ~ 7.0M baud rate</li> <li>- Reed Solomon 204, 188, t=8 -</li> <li>- Roll-off factors 0.15 and 0.13</li> </ul>
<b>Video</b>	
Decoder	<ul style="list-style-type: none"> <li>-ISO/IEC 11172-2 MPEG1</li> <li>-ISO/IEC 13818-2 MPEG2 MP@ML &amp; MPEG2 MP@HL</li> <li>-ISO/IEC 14496 MPEG4 compliant SP@L3 to ASP@L5, AVC/H.264 HP@L4.1</li> <li>-H.263 (Short Header)</li> <li>-VC-1</li> <li>-VP-8</li> <li>-JPEG</li> </ul>
Resolution Supported	480p,576p, 720p, 1080i, 1080p
Video output	CVBS, NTSC, HDMI 1.3 con HDCP
Screen format	Letterbox, 4:3, 16:9, Auto
<b>Audio</b>	
Type	Mono, Stereo
Audio codification (depending on customer requests)	MPEG, AAC, AC3
<b>Rear panel</b>	
RF <sub>IN</sub>	1x F Female - Tuner QAM J.83 Annex B
RF <sub>OUT</sub>	Loop out
Digital Video + Audio	1x HDMI 1.3
AV <sub>OUT</sub>	1x RCA-Jack 2.5 - Video / y Audio L/R
External IR	1x External IR (IR Extender cable optional)
Multimedia	1x USB 2.0 (Side)
Conditional Access	Xcrypt Smartcard Slot