

NEC Tuner (DVB-T + Analogue + IPTV)

ORDER CODE: 100012624

Broadcast Transmission solution

The NEC tuner on option slot basis offers a digital DVB-T tuner, an analogue tuner and an IPTV module. It is a convenient and cost efficient way to bring TV signals or digital signage content to NEC Displays with option slot.



DELIVERING GENUINE BENEFITS

3 in 1 module supporting DVB-T, Analogue TV and IP TV.

Full integration into the display The tuner is controlled with the remote of the display. One single remote for both.

Network Support Channels can be changed via LAN through the integrated HTTP server.

IPTV support Can be used for cost efficient streaming of content in a LAN.

Uni- and Multicasting Support

Applications of IPTV:

- **Digital Signage** Easy distribution of advertising, information or entertainment as a video or flash file.
- **Education** Sending information or entertainment to class rooms or displays installed in key spots on the campus
- **Corporations** Send corporate messages or entertainment to every public display in the building



NEC Tuner

Description:

The IPTV module can be fed with content either with a PC using e.g. the VLC player to play a video file as digital signage content or dedicated streaming gateway which allows the user to select various channels the streaming gateway offers. Channels can be switched remotely through the network through the integrated HTTP server. The IPTV module supports Uni- and Multicast streams so the network can have a single source or several sources which stream content into the network.

Technical Specifications NEC Tuner	
COMPONENT ORDER CODE	100012624
TV	
System	Analog: PAL B/G, PAL I, SECAM D/K, SECAM L, Digital: DVB-T
Channel Coverage	PAL B/G: VHF E2-12 / UHF E21-69 VHF A-H, H1, H2 / UHF 21-69 VHF AU0-12, 5A, 9A / UHF AU28-69 VHF NZ1-10 / UHF NZ21-69 PAL I : UHF B21-69 SECAM D/K: VHF R1-12 / UHF R21-60 SECAM L: VHF 1-6, A, B, C, C1 / UHF 28-69 DVB-T: VHF: 5 - 12 ch, UHF: 21 - 69 ch
Demodulation	QPSK, 16QAM, 64QAM
Bandwidth	7MHz, 8MHz
FORMAT DECODING	
Video	MPEG-2 H.264/AVC main and high profile to level 4.1VC-1 advanced profile @ level 3 VC-1 simple and main profile
Audio	Audio AAC LC, AAC LC+SBR Level 2, AAC+Level 2, AAC+Level 4 Dolby Digital, Dolby Digital Plus * MPEG I Layer1,2, 3 (MP3) Windows media audio (WMA)
IPTV	
Streaming Type	Unicast, Multicast
Network Protocol	TCP/IP, UDP/IP, IPv4, HTTP 1.1, DNS Client, DHCP Client
Streaming Protocol	RTP (Real-time Transport Protocol)
Multicast Protocol	Multicast Protocol IGMP v2/v3
INTERFACE	
Stream Type	MPEG-TS, MPEG-PS
Antenna Input	IEC Female Connector
Audio Output	Digital Audio S/P DIF Optical Connector x 1
Ethernet	RJ-45 Ethernet Port x 1 (10/100 Mbps fast Ethernet)
USB	USB (for service use only)
OSD LANGUAGE	English/ French/ German
POWER SUPPLY	+16VDC @ 580mA (from Option slot interface)
POWER CONSUMPTION	9.3 W
OPERATIONAL ENVIRONMENT	
Temperature	5 - 40 °C
Humidity	20 - 80% (without condensation)
STORAGE ENVIRONMENT	
Temperature	-10 -60 °C
Humidity	10 - 90% (without condensation)
DIMENSIONS	
Net	Landscape and Portrait 155.5(W) x 40.5(H) x 281.5(D) mm
Gross	218.0(W) x 86.0(H) x 369.0(D) mm
WEIGHT	
Net	1.2 kg
Gross	1.5 kg
COMPLIED REGULATORY AND GUIDELINES	
CE: Class B, C-tick: Class B	
ACCESSORIES	User's manual
COMPATABILITY	NEC P-Series, X-Series and Multeos made in 2010 or later
LIMITED WARRANTY	3 years part and labor
For additional pictures and solutions overview, visit www.nec-displays.com for more details.	

IPTV SYSTEM

