



## Hybrid STB & MediaCenter **N8200**



The N8000 Series Netbox is delivered with Netgem award winning IPTV middleware- Netgem TV. The STB includes a double tuner, Hard Disk Drive, UPnP Media Center HD and Home Network connectivity such as Wi-Fi 802.11n.

The N8000 Series enriches the broadcast TV experience with the power of the internet, blending seamlessly content and services from broadcast channels, IPTV platforms, Web sites and home network devices in a fast and fluid interface.

The N8200 answer to the needs of operators by:

1. Integrate diverse sources of content within a single STB
2. Enrich the product offering and lower the attrition rate
3. Provide extra services without increasing CAPEX

#### **HYBRID RECEPTION**

- Terrestrial DVB-T2, ATSC, DVB-[T+C]
- Cable DVB-C, ITU-T J.83 annex B
- Internet (Ethernet 100BaseT, Wi-Fi 802.11n)

#### **MEDIA CENTER**

- UPnP compatible
- Access to any USB device or computer
- Full codec compatibility

#### **DIGITAL VIDEO RECORDING**

- Timeshift, pause live TV and rewind
- Video Thumbnails for easy search
- Instant & schedule recording

## N8200 SERIES

# Technical Specification

Product size



Dimension W x H x D (mm): 205x50x205

Remote Control



Madison2

Jazz 33

### CORE SYSTEM

- Tuner: 2
- Reception: DVB-C, DVB-T2, DVB-[T+C], ATSC, ITU-T J.83 annex B.
- Processor:SD8655
- Frequency: 500MHz
- Memory Flash:128 MB
- Memory RAM: 256 MB
- Hard Disk Drive: size 2"5, 320GB/500GB

### AUDIO / VIDEO

- Resolution: up to 1920x1080p at 50/60Hz
- Video decoder:MPEG-4.10/H264, MPEG-2, VC-1,WMV9
- Audio decoder: MPEG-4 AAC, MPEG-1/2 layer I/II/III, WMA9, Dolby Digital, Dolby Digital+
- Audio pass through: direct output on SPDIF
- Audio downmix: Multichannel to stereo

### CONNECTIVITY

- Ethernet: 10/100BaseT Full Duplex
- Wi-Fi: 802.11n single or dual band
- HDMI: v1.3a
- Mini-DIN : CVBS, RGB, or YPbPr, audio L,R
- Audio: 2x RCA
- S/PDIF optical
- USB: 2xUSB 2.0 host device
- RF connector IEC PAL/F IN
- RF connector IEC PAL/F OUT

### PLATFORM OPTIONS

#### Tuners:

2xDVB T+C

2xDVB-T

2xDVB-T2

2xATSC

2xQAM.B

2xATSC+QAM.B

#### Wi-Fi:

-

N single band

N dual band

#### Local Storage:

-

2GB

4GB

8GB

#### Hard Disk Drive:

-

320GB

500GB

#### Remote Control:

IR

RF

: Default configuration (model N8200-2TC-320D)

### NETGEM TV

- OS: LINUX
- Client middleware: Netgem TV
- Browser: Netgem Browser
- Web Protocols: HTML 4.01, JavaScript 1.5, CSS1&2, DOM1/2 Events IGMP, HTTP1.1, SSL 2&3, RTP/RTSP,SNMP, DHCP
- VOD & Web TV: RTSP, Progressive download, Apple HTTP Live streaming, Microsoft Smooth streaming.
- Server middleware: Netgem DMS with apache HTTP server

### MEDIA CENTER

- Container: ts,.ps, avi, asf, mkv, mov, flv, dv
- Subtitle: srt, .sub, .ssa, .ass, .smi, .xml
- Photo: JPEG, BMP, GIF, PNG
- Video: see Audio/Video
- Audio: see Audio/Video

### SECURITY

- CAS : Nagra Card-based/Cardless, Verimatrix
- DRM : Verimatrix, PlayReady, WMDRM10
- Content protection: HDCP, CGMS-A

### POWER

- Power supply: 12V, 1.5A external
- Power consumption: typical 13W
- StandBy mode: <0.6W

### ACCESSORIES

- External power supply AC100-240 50/60Hz
- Remote Control
- Ethernet cable 3m
- HDMI cable 1,5m
- Mini-Din to SCART cable 1,25m
- Antenna cable