

NDSP-500

1. Hardware	
CPU	RISC based 200MHz CPU
System Memory	Onboard 128MB SDRAM
LVDS	24-bit single channel LVDS, onboard
Ethernet	10/100Base-T
Extension Interface	MINI-PCI type III
Storage Interface	44 pin IDE
	USB 2.0
	CF type I

2. I/O Interface



Video/Audio Input	Composite	3 x RCA jack (video, audio-L, audio-R)
Video Output	DVI-I	1 x DVI-I dual link (24+5)
	VGA	1 x 15 pin High Density D-Type connector
	Composite	1 x RCA jack
	S-Video	1 x 4pin mini-DIN
Audio Output	Analog	2 x RCA jack (L/R)
	S/PDIF	1 x RCA jack
Ethernet	10/100Base-T	1 x RJ-45
USB	USB 2.0	2 x USB A-type Connector
Power Supply	Type	External AC-DC power adaptor
	Input voltage	90-264V AC
	Output voltage	12V DC 25W

3. Compatible Output Resolution

Output Port	Output Mode	Resolution
DVI	DVI	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200
	HDMI	480i(720x480) , 480p(720x480), 720p(1280x720), 1080i(1920x1080), 1080p(1920x1080)
VGA	VGA	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200
	YPbPr	480p(720x480), 720p(1280x720), 1080i(1920x1080), 1080p(1920x1080)
S-Video	TV	640x480(NTSC_M), 720x480(PAL_M)
Composite RCA	TV	640x480(NTSC_M), 720x480(PAL_M)
Onboard LVDS	LVDS	640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1920x1200

4. Compatible Media Format

Video	MPEG-1 VCD format (1.15 Mbps CBR) [.mpg, .mpe, .mpeg, .dat, .m1v] SD and HD MPEG-2 up to 15 Mbps [.mpg, .mpe, .mpeg, .m2v, .vob, .vro] SD and HD MPEG-4 (OpenDivX, XviD, RMP4) [.avi, .divx, .mov, .mp4] SD and HD WMV9 [.asf, .wmv] AVI audio codec: MP3, AC3, PCM, WMA
Audio	MPEG-1 Layer 1 (MP1) [.mp1, .mpa] MPEG-1 Layer 2 (MP2) [.mp2] MPEG-1 Layer 3 (MP3) [.mp3] Microsoft PCM Wave (WAV) [.wav] Advanced Audio Coding (AAC, ADIF, ADTS) [.aac] Apple MPEG-4 AAC Audio (M4A) [.m4a] Microsoft Windows Media Audio version 1 and version 2 (WMA) [.wma, .asf] Microsoft Windows Media Audio Professional (WMA Pro) [.asf]
Picture	16/24/32-bit color BMP, GIF, PNG, JPEG

5. NDSP Designer v 0.48	
Support OS	Windows 2000/XP
System Requirement	IBM compatible computer CPU: Intel Pentium M CPU Memory: 256MB or above Microsoft Direct-X 9.0c
Compact Flash Card	100x CF Type I with 15MB/sec read, 13MB/sec write speed or above (must support MBR)
Screen Component	Video area Graphic area Banner area Digital clock Background music Background picture
Maximum component on a screen	Video area x 1 (file playback or AV-in) Graphic area x 5 Scrolling banner x 2 Crawl banner x 2 Digital Clock x 1 Background picture x 1 Background music x 1
Built-in Layout	2 sets with 10 resolutions
Program Scheduling	24-hr programmable schedule
	Schedule device commands to turn displays on and off
Content Update	Manual update to NDSP-500 by Ethernet
	USB drive update
NDSP Device Time	Synchronize/edit with NDSP Designer via Ethernet
Support Protocol	TCP/IP

6. System	
Dimensions (WxHxD)	197.2mm x 51mm x 119.9mm
Power Consumption	12V@0.67A 8W
Operating Shock	3G acceleration peak to peak (11ms)
Operating Vibration	MIL-STD-810F 514.5C-1 compliant
Operating Temperature	0 to 40° C
Operating Humidity	10 - 90% non-condensing
Color	Sliver
Weight (Net/Gross)	1.2kg / 2.4kg
MTBF	TBD
EMC/EMI	FCC, CE Class A

7. Packing List	
1 x NDSP-500	NDSP-500 network digital signage player, sliver, RoHS
1 x Companion CD	Utility CD with QIG, user manual, NDSP Designer SW
1 x QIG	Quick Installation Guide
2 x Wall-mount bracket	
1 x AC power adaptor	12V 25W AC/DC power adaptor
1 x power cord	
1 x AV cable	L: 150cm
1 x IDE cable	2x22pin 2.0p, 90mm
4 x rubber foot pad	
1 x screw set	
2 x keys	Keys for CF opening keylock

8. Optional Accessories	
TBD	VGA to Component cable, HD-15 to RCA
TBD	NDSP-500 demo pack, 512MB CF card

10. Power Adaptor

PART NUMBER: 63000-UP0251E12PL59-RS

DESCRIPTION: 12V 25W AC/DC power adaptor



INPUT SPECIFICATIONS

Input Voltage Range 90-264VAC
Input Frequency 47-63 Hz
Inrush Current 30A max.(Cold Start)

GENERAL SPECIFICATIONS

Hold-up Time 10mS typ.
Leakage Current 2mA max.
Short Circuit Protection Continuous
Overvoltage Protection Option
Continuous Output Power 25W max.
Hi-pot Isolation: Input / Output 4242VDC

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range 0°C to 50°C
Derating 40°C to 50°C 2%/°C
Temperature Coefficient ±0.02%/°C
Storage Temperature Range -40°C to +85°C
Humidity, Non-Condensing 0 to 95% RH
Cooling Free- Air Convection
EMI Meets FCC/CISPR 22 Class B Specification

DIMENSIONS

Design and specifications are subject to change without prior notice.

Weight: 280g

Case Material: ABS Plastic UL94V-0 Flammability Rated

