NP Series

NP40, NP50 and NP60 digital projectors

The world's most portable, high-brightness projectors, sporting a footprint smaller than a hardcover book, the NP40, NP50 and NP60 are bright, powerful and packed with technological innovations.

EVERYTHING IS AUTOMATIC TO MAKE PRESENTING EASY FOR YOU

° **Automatic startup** powers on the projector as soon as it is plugged into a power outlet
° **Automatic focus** instantly provides a sharp detailed image. You don't need to make any adjustments as the projector automatically focuses for you.
° **Automatically detects source** and projects the image with auto input selection
° **AutoSense**™ intuitively syncs the projector with most computer signals and features one-touch image optimization
° **Automatic vertical keystone correction technology** instantly projects a square image even when the projector is set up at a steep offset angle to the screen
° **Instant shutdown** enables projector to be turned on and off from a wall switch or power strip. Quick startup and instant shut down enables "the show" to start and end according to your schedule.

ADAPTABLE TO VIRTUALLY ANY APPLICATION

° **High brightness up to 3000 lumens** packed into a projector weighing a mere 3.5 pounds
° **Advanced video processing** with IP conversion and 3-2/2-2 pull down provides error-free interpolation for moving video resulting in a smooth image with greater detail
° **Built-in wall color correction presets** provide for adaptive color tone correction to display properly on non-white surfaces
° **PC control port** enables external control of the projector using a computer or control system. RS-232C (Mini DIN 8 pin)
° **Aspect ratio control** enables you to display in three modes: normal, cinema & native
° **Vertical position control** in cinema mode
° **HD compatibility** suports 1080i, 720p, 576p, 480p, 576i & 480i
° **Power management** can be set to automatically shut off the projector when an incoming signal is not detected
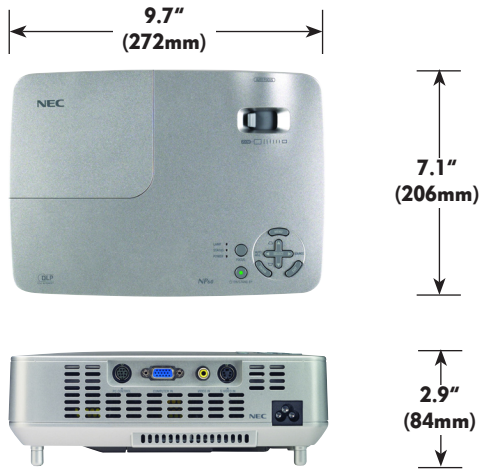
LOW COST OF OWNERSHIP WHILE EXTENDING THE LIFE OF THE PROJECTOR

° **Extended lamp life with ECO Mode**™ **technology** that increases lamp life by up to 50% for up to 3000 hours
° **Enhanced multi-level security** features protect your investment
  • Integrated lock slot - attach security cable to physically lock down the projector
  • Cabinet control lock – setting to deactivate buttons on cabinet to prevent unwanted changes to projector settings
  • Password protection restricts unauthorized use of projector
° **Quiet operation** at < 35dB in ECO Mode
° **Advanced cooling system** continuously cools projector and enables instant shut down

Series Features and Benefits

HIGH BRIGHTNESS

UP TO 3000 LUMENS

LIGHTWEIGHT - ONLY 3.5 LBS.

AUTOMATIC FOCUS

QUICK STARTUP AND INSTANT SHUT DOWN

HIGH CONTRAST

AUTOMATIC SOURCE SELECTION

ADVANCED VIDEO PROCESSING

AUTOMATIC KEYSTONE CORRECTION

CARRYING CASE INCLUDED

NEC

Dimensions

9.7" (272mm)

7.1" (206mm)

2.9" (84mm)

UNIQUE FEATURES

Automatic focus, featuring a built-in image sensor, provides crystal-clear display

AutoSense automatically syncs with any computer signal and features one-touch image optimization

VORTEX™ Technology Plus breakthrough image processing technology improves white level, color accuracy, dynamic range and varying levels of black in an image

Auto keystone correction allows you to instantly project a square image even when the projector is set up at a steep offset angle to the screen

ECO Mode technology extends lamp life, lowers audible noise and reduces total cost of ownership

Built-in wall color correction presets provide for adaptive color tone correction to display properly on non-white surfaces

Kensington lock slot enables a security cable to be attached to the projector

64-step image magnification with location control

Sleep timer can be set to automatically turn off the projector

Direct power off protects the lamp by enabling the cooling fan to continue running after power is disconnected

IN THE BOX

Carrying case, remote control, battteries, power cord, RGB signal cable, lens cap, user's manual on CD-ROM, quick start guide, product registration card

WARRANTY

Registered owers receive a 3-year limited warranty including InstaCare. Includes 3-year limited warranty on parts and one year limited warranty on labor. The lamp is covered for one year or 500 hours, whichever comes first. InstaCare provides the original owner one year of either limited 3-business-day repair/return or next-business-day exchange.

Specifications for NP40/NP50/NP60

OPTICAL

Display Technology	0.55" DMD
Resolution	
Native	XGA 1024 x 768
Maximum	UXGA 1600 x 1200
Light Output (lumens)	NP40: 2200 normal / 2000 eco
	NP50: 2600 normal / 2300 eco
	NP60: 3000 normal / 2400 eco
Contrast Ratio (up to)	NP40: 1500:1
	NP50/NP60: 1600:1
Lamp Type	NP40/NP50: 200W AC / 180 eco
	NP60: 220W AC / 180 eco
Lamp Life (up to)	2000 hours normal / 3000 hours eco
Screen Size (diagonal)	33 to 300 in. / .84 to 7.62m
Throw Ratio	1.8 to 2.2
Projection Distance	4.8 to 44 ft. / 1.45 to 13.4m
Projection Angle	12.3 to 12.7° tele / 14.7 to 15° wide
Lens	
Zoom	1 to 1.2
Focus	Automatic/Manual
F-number	F = 2.2 to 2.34mm, f = 20.4 to 24.5mm
Keystone Correction	Automatic or manual +/- 16°

SIGNAL COMPATIBILITY/CONNECTIVITY

Scan Rate	Horizontal 15 - 100 kHz / Vertical 50 - 85 Hz
Supported Video Standards	NTSC, NTSC 4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
SD/HD Video Signal Compatibility	480i, 480p, 576i, 576p, 720p, 1080i
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA
Macintosh Compatibility	Yes
Input/Output Terminals	
RGB (analog)	15-pin
Video 1	RCA
Video 2	S-Video
Audio	Mini stereo
External Control	RS-232, IR, mini DIN 8-pin
Sync Compatibility	Separate Sync / Composite Sync / Sync on G

ELECTRICAL

Power Requirements	100 – 240V AC, 50/60 Hz
Input Current	3.0/1.2A
Power Consumption	
Normal Mode / ECO Mode	NP40/NP50: 265W / 240W
	NP60: 285W / 240W

MECHANICAL

Installation Orientation	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxDxH)	9.7 x 7.1 x 2.9 in. / 246 x 177 x 72mm
Net Weight	3.5 lbs. / 1.6 kg
Fan Noise	40dB normal / 35dB eco
Regulations	USA UL 1950 FCC Class B, Canada CSA 950 (C-UL), NOM

ENVIRONMENTAL

Operational Temperature	41° – 104°F / 5° – 40°C
Humidity	20 – 80% non-condensing
Storage	-14° – 122°F / -10° – 50°C

ACCESSORIES

IR-RCVR	IR receiver enables PJ remote to control PC or Mac functions
WPA001	802.11b/g wireless adapter connects to projector to receive data from wireless PC
SPKR30	Amplified 30-watt speaker for connection to PJ, microphone or video source
SC200	Security cable attaches to PJ lock slot
ADP-CV1E	Component video to VGA adapter
LEATHERCASE	Leather case with compartments for laptop and PJ
LEATHERROLLER	Leather rolling case with compartments for laptop and PJ / fits in most airline storage bins
NP40ATA	Airtight molded plastic shipping case for PJ
NP40CM	Ceiling mount with adapter plate designed for NP40/50/60
ADJ006009	6-9 in. adjustable extension column for use with PJ mount
ADJ0012018	12-18 in. adjustable extension column for use with PJ mount
ADJ0203	2-3 ft. adjustable extension column for use with PJ mount
ADJ0305	3-5 ft. adjustable extension column for use with PJ mount
SCP100	Adjustable suspended ceiling plate for use with ceiling mount
NP02LP	Replacement lamp for NP40/NP50
NP03LP	Replacement lamp for NP60
RMT-PJ23	Replacement remote control
PWRCRD-NP40	Replacement power cord
RGBCBL-PJPX	Replacement RGB signal cable
VLNPL-01	Extend term of parts/labor warranty to include 3 years labor
VLIC03	Extend term of InstaCare service program to 3 years
VLMTC-02	3-year international service program provides U.S. and Canadian customers loaner and repair services in EU, Japan and Australia
NECECO	Recycling program for NEC and non-NEC PJ that weigh less than 40 lbs.

EcoCare℠

InstaCare™
INSTANT REPLACEMENT PROGRAM

NEC Display Solutions

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866-NEC-INFO

NEC