

LCDs • Projectors • Plasmas • LCDs • Projectors • Plasmas • LCDs • Projectors • Plasmas • LCDs • Projectors • Plasmas • LCDs

Why Digital?

- **Unsurpassed quality:** Avoid deterioration issues introduced by reproducing film
- **Complete flexibility:** Manage playlists, upload content and perform playback easily

Industry's First and Easiest to operate

- Memory functions for lens (zoom, position/focus) and lamp power
- Lamp changes from back of projector
- Direct selection buttons for 8 stored projector configurations
- Projector can be controlled from an optional touch screen
- Auto lamp brightness control
- Standard film projector lamps can be used (requires adapter available from NEC – 2KW and 3KW)
- 0.98" chip allows full 3D presentation using a single projector

Minimal Maintenance

- DMD shielding prevents particles from setting on DMD surface
- Maintenance-free liquid cooling system

Standard Accessories

- Remote control unit
- Cable for remote control unit (16 m)
- User's manual
- Collet for 2KW/3KW film projector lamp bulbs

Optional Accessories

- **Air filter for replacement**
This air filter should be replaced whenever a new lamp bulb is replaced.
- **Touch panel controller and holder arm**
- **Lamp house module without a lamp bulb**
- **Anamorphic lens 1.25 and automatic anamorphic lens turret**
- **Multimedia Switcher for alternative content**
 - o **Built-in type or Standalone type Multimedia Switcher**
(including Video Input Board and Analogue RGB Input Board)
- **Optional Input Boards for Multimedia Switcher**
 - o **Single HD/SDI Input Board**
 - o **DVI Input Board**
 - o **Analogue RGB Input Board**
 - o **Video Input Board**

Input / Output Terminals

Type	Name	Description	Quantity
Signal input	HDSDI port	BNC	2
	DVI port	DVI-digital	2
External control	PC card slot	For compact flash memory card or wireless LAN card	1
	LAN port	RJ-45	2
	USB port	Type A	1
	Serial port (RS-232C)	D-sub (9-pin)	1
	General Purpose Input/Output	D-sub (37-pin)	1
	Remote control connector	Stereo mini	1

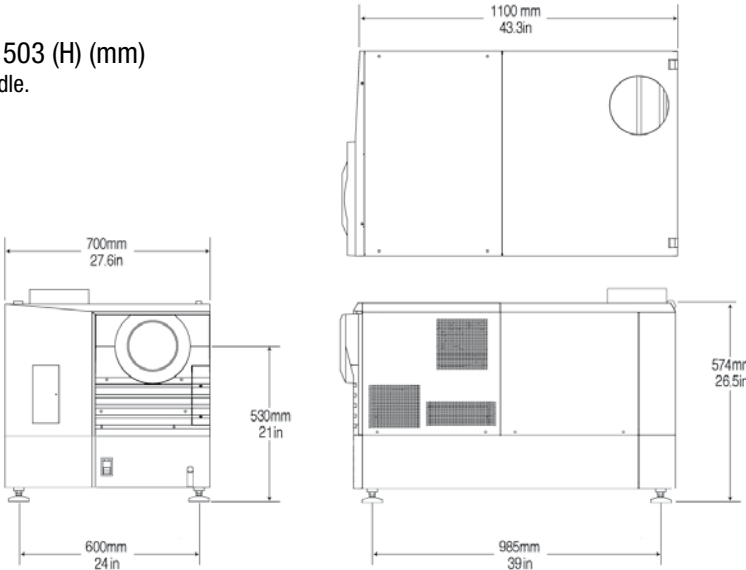
NC1600 External Dimensions

Projector:

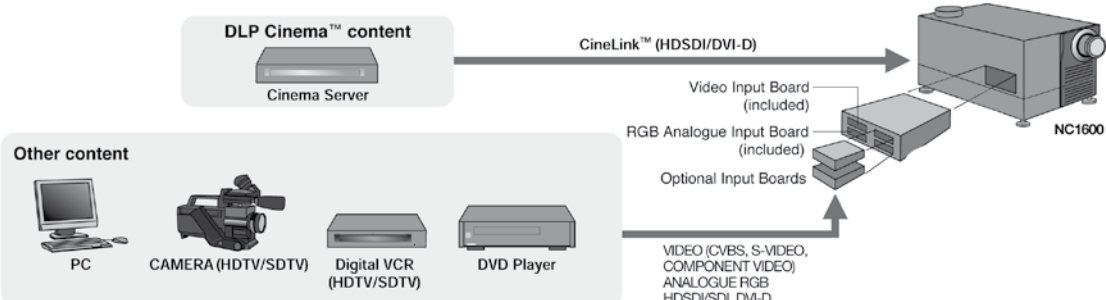
700 (W) x 990 (D) x 503 (H) (mm)

Excluding optic and handle

Including feet.



NC1600 System Configuration



[illegible]

Projection method	3-chip DLP® chip reflection method
DLP® chip specifications	0.98", 12° tilt angle, 2048 x 1080 pixels
Light Output	17,000 Lumens ^{*1}
Supported screen sizes	up to 20 metres ^{*1}
Contrast ratio	2,200:1 or above (full on/off)
Primary lenses	1.3 to 1.75:1 zoom 1.75 to 2.4:1 zoom (Note: select according to magnifications of installation environment) 2.4 to 3.9:1 zoom
Lamp bulbs	• High Efficiency Xenon Lamp: NEC 4.0 kW lamp bulb • Xenon Long Life Lamp: NEC 4.0 kW lamp bulb (optional) *NEC recommends the use of NEC lamp bulbs in order to maximize luminance efficiency • Standard film lamp bulbs^{*3}
DLP Cinema® functions	CineLink™, CineCanvas™, CinePalette™, CineBlack™
Lens adjustment functions	Motorized focus, zoom, horizontal/vertical shift*, light shutter (dowser) *Range of motorized shift is dependent on lens
Cooling method	• Liquid cooling system inside, air cooling system with dust preventing electrostatic filter • Total thermal dissipation: 18767BTU (Input 4 KW power to NEC 4.0 KW lamp bulb) • Projector exhaust: 150CFM (cubic foot per minute) • Demand of exhaust duct: 565CFM (cubic foot per minute)
Power supply voltage^{*2}	200 to 240 V AC, 50/60 Hz, single phase
Rated input current	30 A max.
Power consumption	5,500 W
Environment	5° C to 35° C (41° F to 95° F), humidity: 10% to 85% (non-condensing)
Operational temperatures	-10° C to 50° C (14° F to 122° F), humidity: 10% to 85% (non-condensing)
Storage temperatures	
Regulations	USA: UL60950-1, FCC Class A; Canada: CSA60950-1, ICES-003 Class A Europe: EN60950-1, EN55022 Class A, EN55024 Oceania: IEC60950-1, AS/NZS CISPR.22 Class A Japan: J60950, VCCI Class A, Asia: IEC60950-1, CISPR.22
External dimensions	Projector: 700 (W) x 990 (D) x 503 (H) (mm) – Excluding optic and handle.
Weight	Projector: Approx. 99 kg / 218 lb – Excluding optic and handle.

*3 Compatible third-party film projectors lamp bulbs will be listed on NEC's website after verification from time to time.