

Premium NDI PTZ: P-NA series

20x Optical Zoom	30x Optical Zoom
P-NA20 (P-A20 + NDI 5)	P-NA30 (P-A30 + NDI 5)
P-NA20S (P-A20 + 360° Endless + NDI 5)	P-NA30S (P-A30 + 360° Endless + NDI 5)
P-NA20G (P-A20 + SDI Genlock - CVBS + NDI 5)	P-NA30G (P-A30 + SDI Genlock - CVBS NDI 5)
P-NA20SG (P-A20 + 360° Endless + SDI Genlock - CVBS + NDI 5)	P-NA30SG (P-A30 + 360° Endless + SDI Genlock - CVBS + NDI 5)



- o ICR on & High Sensitivity off: 0.006lx
- o ICR on & High Sensitivity on: 0.0015lx

Camera function

- Day&Night : AGC, TDN(ICR)
- Focus : Semiauto/ Auto/ Manual
- Image Flip : On/ Off
- Zoom Speed : 0~7
- Focus Near Limit : 30cm/ 1m/ 1.5m/ 2m/ 3m/ 5m/ 10m
- AF Sensitivity : Normal/ Low
- Defog Mode : Off/ Low/ Mid/ High
- High Sensitivity : Off/ On
- Noise Reduction : Off/ 1~5
- Aperture : 10, 0~15

Camera

- Module: 1/2.8" Exmor R CMOS
- Valid Pixels: 1920[H]x1080[V] (Approximately **2.13 million pixels**)
- Video output format:
1920x1080p60, 1920x1080i60, 1920x1080p30, 1280x720p60,
1280x720p30, 720x576i50(CVBS only), 1920x1080p59.94, 1920x1080i59.94,
1280x720p59.94, 1920x1080p50, 1920x1080i50, 1920x1080p25,
1280x720p50, 1280x720p25
- Video output: HD/3G-SDI, HDMI, (CVBS) + **NDI 5 (High Bandwidth)**
- Zoom Scale: Optical zoom: 20/30x, Digital zoom: 12x
- Lens : 20x Zoom Lens [f=4.3 ~ 94 mm, F1.6 ~ F3.5]
30x Zoom Lens [f=4.3 ~ 129 mm, F1.6 ~ F4.7]
- Viewing Angle : 20x Zoom: 63.7° (Wide) ~ 3.3° (Tele)
30x Zoom: 63.7° (Wide) ~ 2.3° (Tele)
- Minimum illuminance (50 IRE, 1/30sec)
 - o ICR off & High Sensitivity off: 0.1lx
 - o ICR off & High Sensitivity on: 0.01lx
- White Balance : Auto/ Indoor/ Outdoor/ One Push/ ATW/ Manual/ Outdoor Auto/ Sodium Auto/ Sodium Out Auto
- Program AE : Full Auto/ Bright/ Shutter Pri/ Iris Pri/ Manual
- WDR : Off/ On/ VE
- BLC : On/ Off

Pan / Tilt

- Moving Angle: Pan: 344° (-172° ~ +172°) / **360° Endless Panning (P-NA20S / NA20SG / NA30S / NA30SG model only)**
Tilt: total 220° (-20° ~ 0° ~ 180° ~ -160°)
- Moving Speed: Manual: 0.002°/sec ~ 180°/sec (Interlocked with the Zoom Scale), Preset: 300°/sec, Swing: 1°/sec ~ 180°/sec
- Preset setup: 256 Presets[VISCA], 255 Presets (Label setup, each display setup) [PELCO]



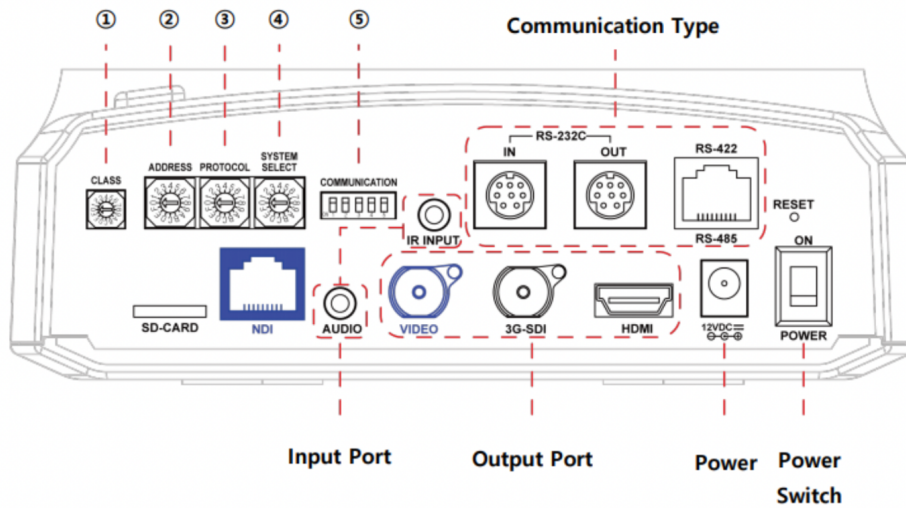
- Swing Setup: 8 swings
- Pattern Setup: 8 Patterns
- Group Setup: 8 Groups (20 motions/Group)
- Other functions: Smart-Flip, Home Position Set, Auto Parking, Power Up Action, and etc.

General

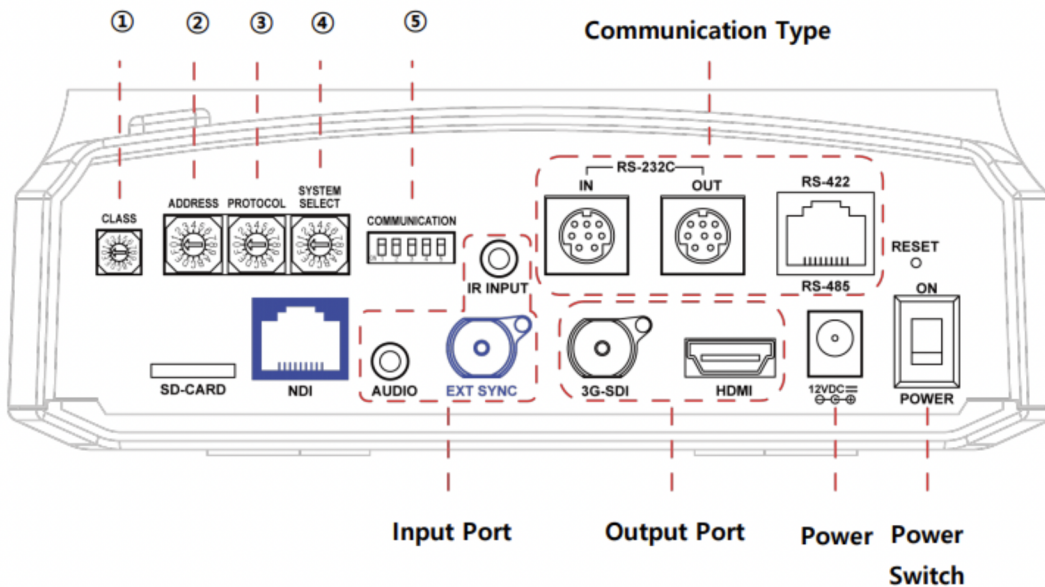
- Cam ID: PELCO: 1~14, VISCA: 1~14 setting
- Communication: RS-422/485, RS-232C, IR Remote
- Protocol: PELCO-D/P, VISCA
- OSD: Menu, Position, etc.
- Power: DC 12V ± 10% (Max 1A)
- Dimension: 181 x 198 x 206 mm(W x D x H)
- Weight: Approximately 1.95kg
- Operating temperature: 0 °C ~ 40 °C(32 °F~104 °F)

P-NA series Interface

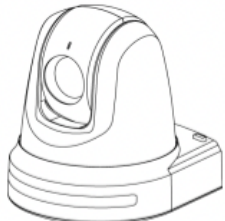





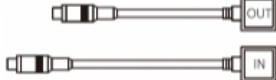
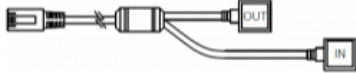
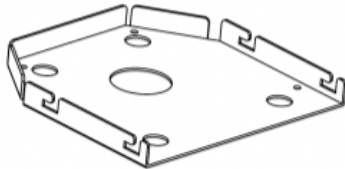




• P-NA20(S)/30(S)



• P-NA20(S)G/30(S)G



P-A series Standard Packing

		
<p>Camera</p>	<p>IR remote (with battery)</p>	<p>Camera Bracket Screw</p>
		
<p>User Manual</p>	<p>AC Adapter</p>	<p>1m RJ45 Cable(Direct)</p>
		
<p>232C to UTP Cable</p>	<p>RJ45 to RJ45 Cable</p>	
		
<p>Camera Bracket</p>	<p>Ceiling Bracket</p>	
		
<p>Ceiling Bracket Screw</p>	<p>Plastic Anchor</p>	<p>Camera body/ Ceiling Bracket Screw</p>

P-NA series Schematic (same with P-A series)

