

## x20 & 2.1M FULL HD HD-SDI SPEED DOME CAMERA

# WHO-WE20A

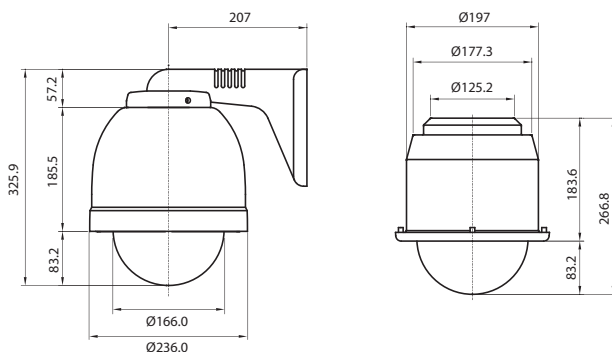
### ACCESSORY (Option)



### → KEY FEATURES

- 1/3" 2 Megapixel CMOS, Full HD (High Definition)
- Using Progressive Scan and Auto WDR
- x20 Optical Zoom and F1.6 Aperture (Digital Zoom x12)
- 3D DNR
- Digital and Analog Outputs
- A Variety of Digital Output Methods
- Auto ICR
- Motion Detection
- Up to 63 Preset Positions
- Digital Auto Flip
- 8 Alarm Inputs, 2 Relay Outputs
- 8 Auto Scan (Programmable Speed and Diagonal Scan)
- Pan Motion Allows 0.1-90°/sec Pan Speed
- Programmable Privacy Masking (8 Zones)
- RS-422, RS-485 and Remote Program Update
- Programmable Zoom Speeds

### → DIMENSIONS



### → SPECIFICATIONS

| WHO-WE20A                |  |
|--------------------------|--|
| Image Sensor             | 1/3" CMOS Sensor   |
| Picture Elements         | 200K pixels  |
| Lens                     | 20x zoom f=4.7mm(Wide) ~ 94.0mm(Tele) / F1.6 ~ F3.5  |
| Digital Zoom             | x12 (x240 with optical zoom)   |
| Angle of View (H)        | 1080i mode : Approx. 55.4 degrees (Wide end) / Approx. 2.9 degrees (Tele end)<br>720p mode : Approx. 37.6 degrees (Wide end) / Approx. 2.0 degrees (Tele end)  |
| Min. Working Distance    | 10mm (Wide end) / 800mm (Tele end)   |
| Sync System              | Internal   |
| Min. Illumination        | 0.5Lux/1/30sec, 50% (Interface mode) (High Sensitivity mode ON)<br>1.7Lux/1/30sec, 50% (Typical value)<br>0.26Lux/1/4sec (NTSC), 1/3sec (PAL) (Typical value)<br>ICR-ON mode 0.0005Lux/1/4sec (NTSC), 1/3sec (PAL) |
| Recommended Illumination | 100 to 100,000Lux  |
| S/N Ratio                | 50 dB (Weight On)  |
| Back Light Compensation  | On / Off   |
| Electronic Shutter Speed | 60/30 mode : 1/1 to 1/10000sec (22 steps)<br>50/25 mode : 1/1 to 1/10000sec (22 steps)   |
| White Balance            | Auto, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor   |
| Gain                     | Auto / Manual (-3 dB to +28 dB, 16 steps)  |
| Wide Dynamic Range       | On / Off / Auto  |
| Noise Reduction          | On / Off (Level 5 to 1 / Off, 6 steps)   |
| Color Enhancement        | On / Off   |
| Aperture Control         | 16 Steps   |
| Preset                   | 6 Positions  |
| Serial Interface         | VISCA protocol (TTL/CMOS) 9.6Kbps, 19.2Kbps, 38.4Kbps  |
| Video Out                | HD-SDI 1 CH (1920x1080 60i, 1920x1080 30p)<br>CVBS 1 CH, IP Webserver (Option)   |
| Preset                   | 255 Points / Less than 0.1° accuracy   |
| Tour                     | 8 Programmable   |
| Pattern                  | 4 Patterns for 240 second  |
| Flip                     | Digital On / Off   |
| Scan                     | 8 (Programmable speed and diagonal scan)   |
| Privacy Zone             | Programmable up to 16  |
| ID Address               | Up to 255 selectable ID (Rotary switch)  |
| Data Communication       | RS-485 / RS-422  |
| Protocol                 | Multiple protocol (Pelco-D/P, Wonwoo)  |
| Baud Rate                | 2400, 4800, 9600, 19200, 38400, 57600 bps selectable   |
| Alarm In                 | 8 Alarm  |
| Alarm Out                | 2 Relay out  |
| Display                  | 16 Area title  |
| Pan                      | Angle 360° Continuous pan<br>Manual Speed 0.1° to 90°/sec (64 step proportional to zoom)<br>Preset Speed 380°/sec, ±0.1° accuracy  |
| Tilt                     | Manual Speed 0.1° to 90°/sec (64 step proportional to zoom)<br>Preset Speed 150°/sec, ±0.1° accuracy   |
| Dimensions               | 236(Ø) x 325.9(H)mm / Dome : 166(Ø)  |
| Weight                   | Approx. 4.4kg (10.8lbs) / Packing : 4.9kg  |
| Ingress Protection       | IP66 (Outdoor housing)   |
| Construction             | Aluminum   |
| Operating Temperature    | -20°C to 50°C (Fan & Heater Power On)  |
| Storage Temperature      | -10°C to 50°C (14°F to 122°F)  |
| Humidity                 | 0% to 90% (Non-condensing)   |
| Power                    | 21~28VAC 60Hz / 50Hz (Power adaptor not included)  |
| Power Consumption        | Camera : 18.0W / Heater : 33W or 62.7W / Fan : 3.4W  |
| RS-422, 485              | Dip Switch setting   |
| RS-485, 422              | RS-422, 485 +/- Optional Control Data  |
| Alarm Input              | 8 Programmable   |
| Relay Out                | 2 Dry contact output rating : 2A@30VAC   |