

be opened or closed for compactness. Additionally, several adjustments can be seen in the Live View image on the menu. To open the Display Settings menu, go to **Setup** tab | **Image** | **Display Settings**

- **Exposure Time:** Value ranges from 1/3 to 1/100,000 s. The nominal value is 1/150. Adjust it according to the lightening condition.
- **Gain:** Set the gain to show the optimal brightness level.
- **Focus** submenu: Select either Auto, Manual, or Semi-auto for the best performance during changing lighting conditions.
- **Day/Night Switch** submenu: You can set the Day/Night switch to Day, Night, Auto, or Schedule. The option you select determines the submenu options.
 - **Day or Night:** These options both have one parameter: Smart IR.
 - **Auto:** If you select Auto switch, you can set the sensitivity (0 .. 7), filtering time and Smart IR.
 - **Schedule:** Use Schedule to set that **Start Time** and **End Time** for the switch. Smart IR is also selectable.
- **Backlight Settings:** Backlight settings include BLC Area (Off, Up, Down Left Right Center), the area to control, and **WDR** (Wide Dynamic Range) ON or OFF.
- **White Balance:** White Balance selection is used to correct colors in the image depending on the lighting source. You can also set the white balance manually (MWB), using Automatic White Balance (AWB1), and lock the white balance setting (Locked WB).
- **Image Enhancement:** Options in this submenu include Digital Noise Reduction (DNR) ON or OFF. If ON, you can also adjust the level of noise reduction.
- **Video Adjustment:** Video Adjustment includes:
 - **Mirror:** Mirror adjustment enables you to flip the image (Up/Down), flip Left/Right (reflect or Center).
 - **Rotate:** Rotate rotates the image +90 degrees. Reverses the aspect ratio. Useful for viewing long hallways from a ceiling mount installation.
 - **Video Standard:** Select 60 Hz for NTSC format.
 - **Capture Mode:** To make a complete use of the 16:9 aspect ratio, you can enable the capture mode when you use the camera in a narrow view scene

Configurable parameters include parameters for Day - Night **Scheduled-Switch** and **Auto-Switch**. For **Scheduled-Switch**, configure the following:

- **Start Time** and **End Time:** set the time when settings change.
- Select either **Common** settings, **Day** settings and **Night** settings. Each submenu has options relative to the title.
- **Switch Day and Night:** Select either **Auto-Switch** or **Scheduled-Switch**.
 - If using **Auto-Switch**, open the **Day/Night Switch** submenu to select the Sensitivity, Filtering Time, and Smart IR feature ON or OFF.
 - If using **Scheduled Switch**, set the **Start Time** and **End Time** of the switch, then open the **Day/Night Switch** submenu to select the **Smart IR** feature ON or OFF. Also, click the **Common**, **Day** and **Night** tabs to set the Saturation, Hue, Brightness, Contrast and Sharpness for Day and for Night modes.

Refer to the *ALLBLI IP Camera V3 Software User Manual* for additional settings.

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Step 6. Change default password

Observint Technologies strongly recommends that you change the default **admin** user password in your camera from "1111" to a different code to help protect against unauthorized access. You must login to the camera with the **admin** user name to change the **admin** password. To change the **admin** password:

1. Click the **Setup** tab, and then click **System** in the left frame.
2. Click the **User Management** tab in the menu on the right.
3. Click the **admin** User Name to select (highlight) it, and then click the **Modify** button. The **Modify User** pop-up window will open.

For **Auto-Switch**, set the following

- **Image Adjustment** submenu: Open the Image adjustment submenu to set the Saturation, Hue, Brightness, Contrast and Sharpness of the video image. Each parameter can be set to a level of 0 ~ 100 either by moving the slider or entering the value in the box on the right. The effect of the adjustment will appear in the Live View image in the menu.
- **Exposure Settings** submenu: In this submenu, set the following for the best performance:
 - **Iris Mode:** Select Auto or Manual. Some cameras may not offer both options.

4. In both the **Password** and **Confirm** fields, enter a new password. The password can contain 0 .. 9, A .. Z, and a .. z. Record your new password for future reference.
5. Click the **OK** button at the bottom of the window.

Camera Reset

To Reset the camera to its factory default configuration, press and hold the Reset button, located beneath the cover on the underside of the camera, for 10 seconds during power on or reboot.

Specifications

Camera	
Image Sensor	1/1.8" CMOS
Scanning Mode	Progressive Scan
Resolution	Up to 3072 x 2048
Effective Pixels	Approx. 6.0 Megapixel
Minimum Illumination	Color: 0.014 Lux, B/W: 0 Lux (IR ON)*
Day/Night	True Day/Night ICR
Electronic Shutter (sec)	1 ~ 1/100,000
Wide Dynamic Range	Digital
Gain Control	Auto
White Balance Mode	Auto
Noise Reduction	3D DNR
IR Illuminators	Smart IR Array, 850 nm
IR Array Range	165 ft
IR Sensitivity	700 - 1100 nm
Lens	
Lens Type	Motorized Varifocal
Focal Length	2.8 ~ 12 mm
Iris	DC Driven Auto
Focus	Auto/Semiautomatic/Manual
Horizontal Viewing Angle	94.5° (Wide) ~ 30.5° (Tele)
F-number	F1.4
Video	
Video Compression Format	H.264 (Baseline/Main/High Profile), H.264 OVC (Optimized Video Codec), MJPEG
Codec Streaming Capability	Tri Streaming
Maximum Frame Rate	24 fps @ 3072 x 2048
Bit Rate	32 kbps ~ 16 Mbps
Bit Rate Mode	CBR, VBR
Audio	
Audio Streaming	Two-way
Audio Compression Format	64 Kbps (G.711) / 16 Kbps (G.726) / MP2L2
Features	
Motion Detection	Yes
Event Notification	Alarm Output, Email, FTP
Privacy Mask	Yes
ROI Encoding	Up to 24 areas with adjustable levels
Defog	Yes
Video Analytics	Line Crossing Detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene change detection, Sudden audio increase/decrease detection, Defocus detection, Face Detection, Object Counting
Interface	
Ethernet	RJ-45 10/100 BASE-T
Audio Input	1x In
Audio Output	1x Out
Sensor Input	1x In
Alarm Output	1x Out (up to 24 Vdc 1A or 110 Vac 500 mA)
Video Output	1 Vp-p Composite Output (75 Ω, BNC)
SD Card Slot	1x microSD/SDHC/SDXC (up to 128GB)

Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour, ONVIF, PSIA
Security	One-key reset, flash-prevention, dual streams, heartbeat, mirror, password protection, privacy mask, Watermark, IP address filtering, Anonymous access
Network Storage	NAS (supports NFS, CIFS/SMB)
General	
Power Requirements	PoE (IEEE802.3af/at) / 12 Vdc
Power Consumption	12 W max (heater off), 18 W max (heater on)
Weight	4.41 lbs
Dimensions	4.09" H x 3.94" H x 12.28" D
Operating Temperature	-22°F ~ 140°F (heater off), -40°F ~ 140°F (heater on)
Operating Humidity	0% ~ 95% RH, Non-condensing
Ingress Protection	IP67
Color	White/Black
Material	Aluminum (body), Polycarbonate (lens cover)
Approvals	CE, FCC, RoHS
System Requirements	
Operating System	Microsoft® Windows® XP / Vista / 7 / 8 / 10, Apple® OSX
Processor	Intel® Pentium® 4 3.0 GHz or later
Memory	1GB or above RAM
Display	1024 x 768 resolution or higher
Web Browser	Internet Explorer® 6.0 or above, Apple® Safari® 5.02 or above, Mozilla® Firefox® 3.5 or above
Supplied Accessories	
	CD ROM (User's Guide, Installation Tools)
	Quick Installation Guide
	Mounting Hardware and Template
	Junction box
	Gang Box adapter plate