



LG INNOTEK SECURITY SOLUTION

BEST SECURITY SOLUTION PARTNER – LG INNOTEK
WILL BE WITH YOU FOR YOUR SUCCESSFUL BUSINESS.





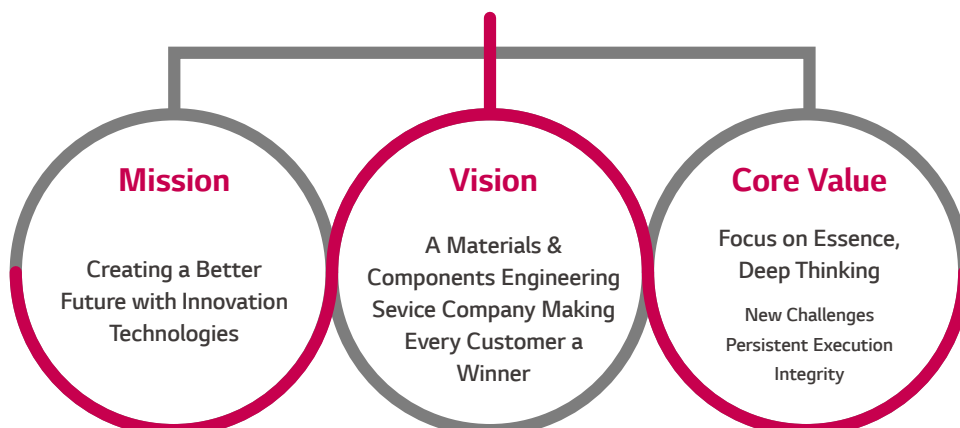
**INSIDE YOUR LIFE!
 LG INNOTEK'S INNOVATIVE TECHNOLOGIES
 ARE DESIGNED FOR A SAFE, CONVENIENT AND
 ENJOYABLE FUTURE!**

LG Innotek is a global materials and components manufacturer that focuses on mobile, automotive, LED, display, semiconductor and IoT business field with its core technologies. LG Innotek will make its utmost effort to provide differentiated value to the customers

LG Innotek Vision

Inside your life!

LG Innotek works to achieve this vision each day.



Business Area



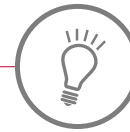
Network Camera

- BLE Module
- Smart Camera for Tv & VR
- Wireless Modem (3G/4G)
- Mobile Router
- Wireless Control System
- Real Time Location System
- Electronic Shelf Label



Automotive

- Motor & Sensor
- Connectivity & ADAS
- For xEV
- Wireless Power Charger
- PCB
- Touch Panel
- Thermoelectric Module
- LED Lighting



LED

- Mobile
- LED Lighting (Package/Chip/Module, Engine, Driver, Wireless Control System)
- UV LED
- Display
- Automotive



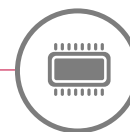
Display

- Photo Mask
- Digital Tuner
- Touch Panel
- Power Module
- Wi-Fi Module
- LED BLU



Mobile

- Camera Module
- Touch Panel
- PCB (Build-up, RFPCB)
- Wireless Power Charger
- Flash LED / LED Package(BLU)
- Optical Bio Sensor Module
- Fingerprint Sensor Module



Semiconductor

- Flip Chip CSP
- CSP (Ultra Thin)
- SiP
- COF
- 2 Metal COF
- COB (Smart IC)

SUPPORTS FROM LG INNOTEK

We support various supports for partners and customers

Technical Supports

- Technical Seminar
- New Products Introduction
- Share of related Technique

Marketing Supports

- Promotion supporting
- Marketing Material (Catalog/Demo sample)
- Project developments

Exhibition Supports

- Products sample
- Marketing Material
- Join the LG group exhibition



Technical Supports



Marketing Supports



Exhibition Supports

High Sensitivity and Up to 4MP Resolution Support Qualified Surveillance System in 24/7



Various features such as H.265 compression technology, high resolution, wide dynamic range and video analytic allow the clear and fine video for enhanced surveillance system.



H.265 codec's innovated technology

Applying H.265/HEVC high compression, high quality video is serviced with less bandwidth consumption and storage cost will be saved.

Video coding standard	Average bit rate reduction compared to			
	H.264 / MPEG-4 AVC HP	MPEG-4 ASP	H.263 HLP	H.262 / MPEG-2 MP
HEVC MP	35.4%	63.7%	65.1%	70.8%
H.264 / MPEG-4 AVC HP	-	44.5%	46.6%	55.4%
MPEG-4 ASP	-	-	3.9%	19.7%
H.263 HLP	-	-	-	16.2%



Best monitoring with 4MP high resolution

4MP video allows 4:3 original video screen rate which is optimized for surveillance monitor.



3.3-10mm vari focal motorized lens

Motorized vari focal lens allows easy zoom in and zoom out according to installation environment.



Enhanced video analytic

With advanced video analytic function, efficient and optimized surveillance system operation is possible.



MINI BULLET CAMERA

Model		RNUF-BP01A
Camera	Image sensor	1/2.8" Progressive Scan CMOS
	Lens	2.8-12mm Vari-Focal Lens
	Day and night	IR cut filter with auto switch
	Minimum illumination	0.05 lux @ (F1.2,AGC ON), 0 Lux with IR), 0 lux with IR
	Shutter time	1/5s - 1/20,000s
	Camera angle adjustment	Horizontal Vertical 90 degree
Video/Audio	Video Compression	H.264 / MJPEG
	Resolutions	3MP(2048x1536)
	Frame rate	Mainstream(default 30fps/3MP) 3MP(2,048x1,536), 1296P(2,304x1,296),1,080P(1,920x1,080),960(1,280x960), 720P(1,280x720)(1-30FPS optional,default 3MP/30FPS) Substream(default 30FPS/D1) D1(704x480) VGA(640x480), QVGA(320x240)(1-30fps optional,default D1/30fps) Mobilestream(default 10fps) QVGA(320x240) (1-30fps optional,default 10fps)
	Video streaming	Video streaming triple, Mainstream, Substream and Mobile stream. Individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth,VBR/MBR H.264
	Image settings Compression, Color, Brightness, Sharpness, Contrast, White	Rotate Mode, Saturation, Brightness, Contrast, Text Overlay, Sharpness adjustable by client software or web browser
	Balance, Exposure control, Exposure zones, Backlight	Balance, Exposure control, Backlight, compensation, Fine tuning of behavior at low light, Text and image overlay, Mirroring of images, Privacy mask, Rotation 0°, 90°, 180°, including Corridor Format, Digital WDR.
Network	Network	Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, IP address filtering,
	ONVIF	Supported
	Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
	Event triggers	Analytics
	Event actions File upload: FTP, FTPS, HTTP, HTTPS, network share and email	File upload: FTP, FTPS, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS and TCP Video recording to edge storage, Pre- and post-alarm video buffering
	Data streaming	Event data
	Built-in installation aids	Built- in PoE (802.3af)
	Casing	Aluminium alloy ADC12 Metal case
	Memory	256MB RAM, 16MB Flash
	General	Power
Connectors		Tail wire RJ45 interface for waterproof interface +
Edge storage		N/A
Operating conditions		-10°C~60°C (-22°F~140°F) Humidity 95% or less (Non-condensing)
Storage conditions		-10°C~60°C (-22°F~140°F) Humidity 95% or less (Non-condensing)
Approvals		KC, CE, FCC
Ingress Protection		IP66
Weight		650g
Dimensions		237 x 74.54 x 101.53mm
Included accessories		IPC quick installation manual, CD, Socket head wrench, Screws, Colloidal particle, Water-proof jacking for connectors

※ Exact products and specifications shown may vary by geographic region and are subject to change without notice. Actual products may differ from the images appearing in the catalog.