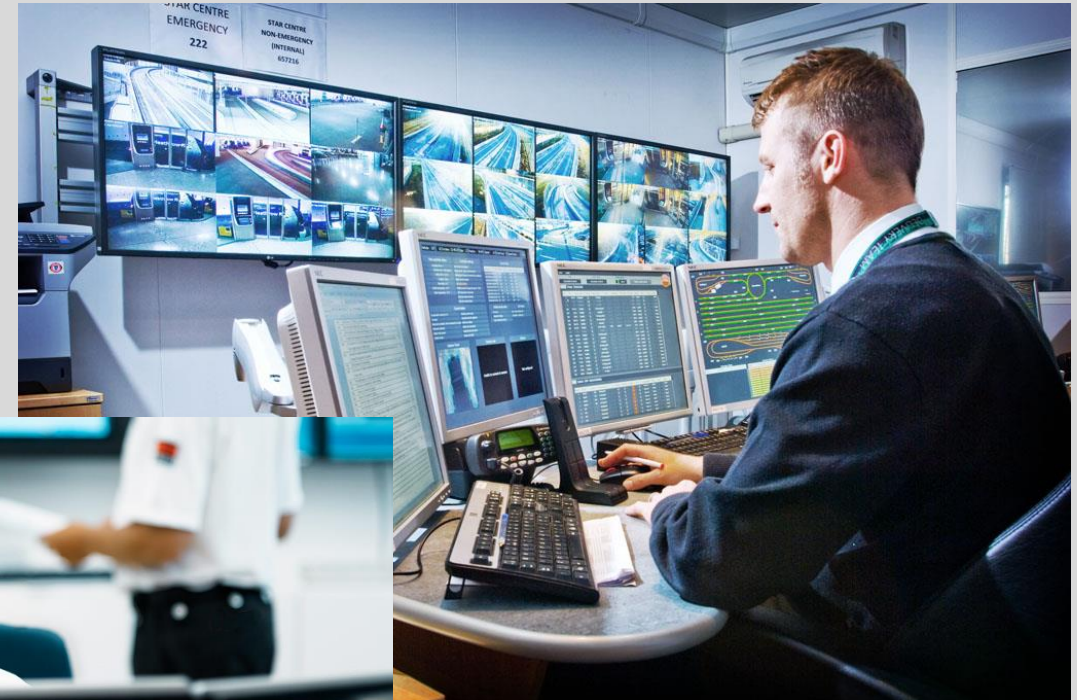
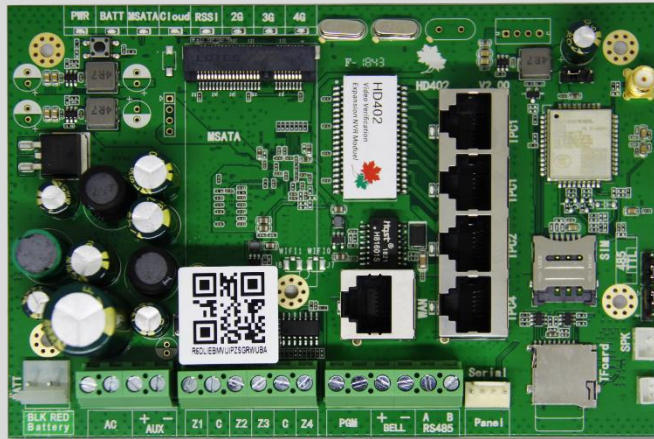


Introducing HD402



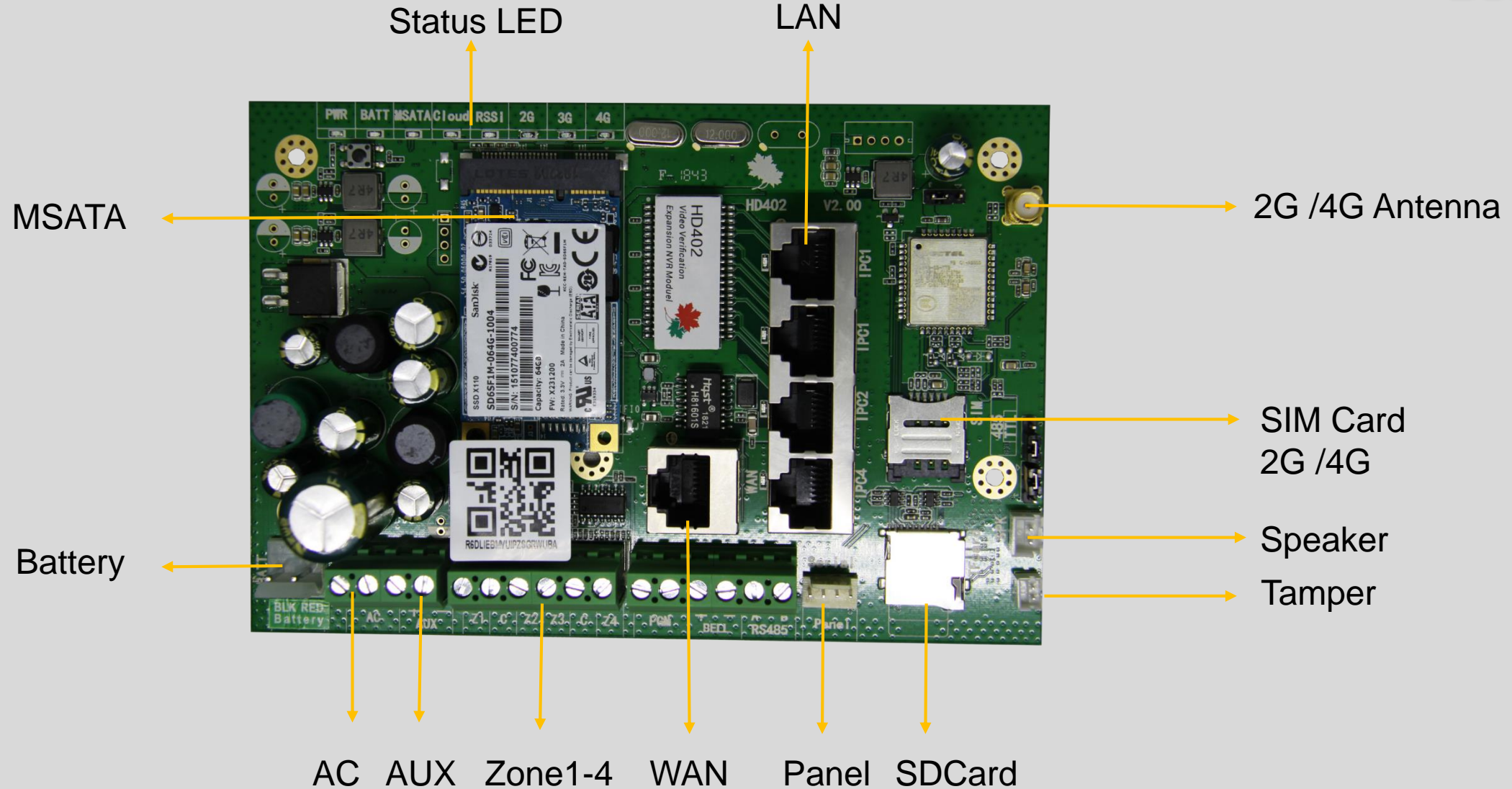
True Solution For Video and Security Integration



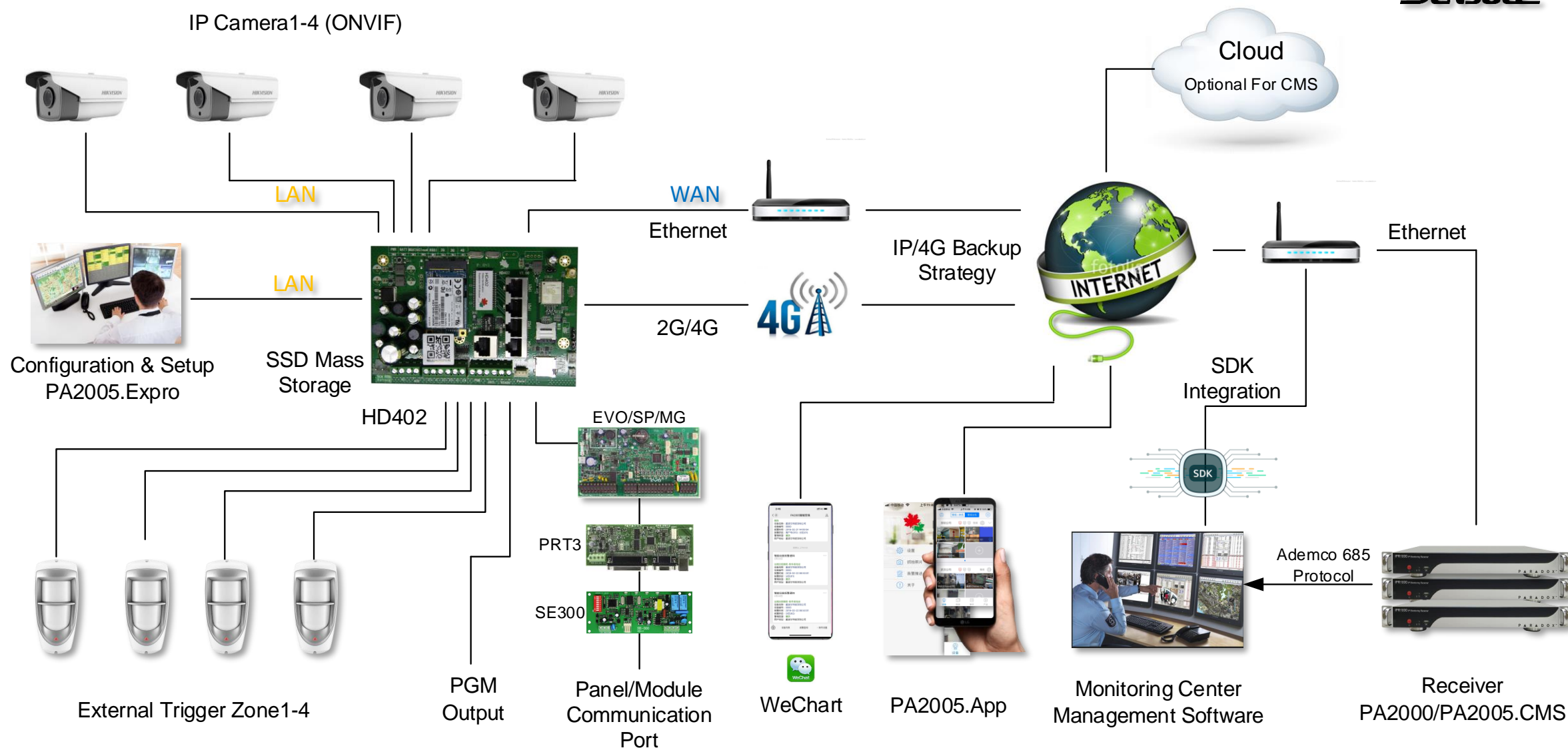
The CMS Request

- CMS equipped with video verification on alarm zone.
- Access Video from multiple third-party camera (support ONVIF)
- Support panel event transfer to CMS via non PARADOX panel or an older Paradox panel that does not support IP and GSM/GPRS communication to PARADOX IP receivers (IPRS7/IPR512)
- Event and video transfer via Ethernet or 2G/4G(2G only event)
- Video push must can be programmed follow the event
- CMS can access the camera with live video
- End user can access video by mobile phone with App or WeChart
- Video record for event or external motion detector and report to CMS
- Offline (Ethernet or 2G/4G) event and video buffer (SSD support for Mass storage)
- Remote control with panel Arm, Disarm, bypass and panel status inquiry

The Solution – Verification Module HD402 Series



The Solution – Verification Module HD402 Series



The Solution – Verification Module HD402 Series



Specification

Module	External trigger input	4 Zone, NC or NO
	Output	Relay Output 24V @2.5A
	Bell output	DC12V@1.2A
	AUX	DC12V@1A
	Tamper	NC
	Arm/Disarm on Schedule	Daily and weekly
	Tamper	NC
	APP PA2005	Event report/ Live zone video/ Video on event push/ Arm/ Disarm
Video Audio	Video input	4 IP Camera with 1080P (ONVIF)
	Band wide	25Mbps
	Audio Output	1 Speakers
	Record Resolution	1080p/720p/WD1/4CIF/DCIF/2CIF/CIF/QCIF
	Playback	4 zone cameras

The Solution – Verification Module HD402 Series



Video Audio	Video push length	Default 30 Sec, (1-300 Sec)
	Video On Event Push	30Sec (Before 15Sec & After 15Sec)
	Record/Capture	Manual/ Schedule/ Motion detection
	Playback Mode	Instant/ Event/ Manual
	HDD support	MSATA SSD (Max 2TB)
2G/4G	Wireless Band	B1/B3/B5/B8@FDD-LTE
		B38/B39/B41@TDD-LTE
		B1/B8@WCDMA B34/B39@TD-SCDMA
		B3/B8@GSM
	UIM socket	1
	SMA Antenna	2G/4G compatible


The Solution – Verification Module HD402 Series






Protocol	Wan & Lan	NTP、SADP、PPPoE、DHCP
	PC & Mobile Phone	Senboll SDK and App
	Panel	Contact ID/Paradox Serial Protocol
Interface	Wan & Lan port	5 port Router (RJ45 10M/100M)
	Battery	12V 7HA @3A
	Panel input	TTL-232 serial port
	External bus	RS485
General	Power input	15-16.5VAC, 47--63HZ
	Power Consumer	≤2W (with SSD and cutoff AUX)
	Temperature	-10°C-- +55°C
	Humidity	10%-- 90%
	Size (mm)	150mm × 101mm
	Weight (g)	≤185g(PCB Only)

HD402 Series – Web page of configurations







- Equipment list
- System settings
- Time settings
- LAN settings
- WLAN settings
- User settings
- Platform**
- Alarm settings
- Audio settings
- Cloud service
- System log

Platform

2G module: No card

Enable: Alarm mode ▾

Server: cloud.senboll.cn

Port: 9100

Device ID: XHYLKEXG3QYNWOFMWR

Password: ●●●●●●

Timeout: 30 (1-300 Sec)

Heartbeat interval: 10 (1-60 Sec)

Pre-time: 7 (1-15 Sec)

Continue: 13 (5-300 Sec)

Video push interval: 22 (5-600 Sec)

Connection status: Online

Alarm host-Online

Host type: SP ▾

Transmission: CID ▾


Password: ●●●●




Channel&Defence area: Setup

130 Code conversion

☒ Arm and disarm syncing with 1 partition

Note:Modify the settings, reboot the device

















- Equipment list**
- System settings
- Time settings
- LAN settings
- WLAN settings
- User settings
- Platform
- Alarm settings
- Audio settings
- Cloud service
- System log

Equipment list

Scan: senboll-HK senboll-X senboll ONVIF Clear all Refresh

Channel	IP:Port:Channel:Stream	Protocol	Status	Record	Record Setting	Operation
1	192.168.96.228:80:1:0 door	senboll	Online	No REC	Plan Alarm	  
2	192.168.96.11:34567:1:0 Office L	senboll-X	Online	No REC	Plan Alarm	  
3	192.168.96.12:34567:1:0 Office R	senboll-X	Online	No REC	Plan Alarm	  
4	192.168.96.13:34567:1:0 HD401	senboll-X	Online	No REC	Plan Alarm	  

Start address: 10 senboll-HK Auto config senboll-X Auto config senboll Auto config Channel calibration

Device information

Device Type: senboll-HD402

Software Version: V4.2.0.4-BUILD:190223

Hardware Version: V3.10.44.1-BUILD:190223

Start Time: 2019-06-18 08:43:00

HD Camera Series – Verification Cameras



HD311



HD201

- 2M Pixel image resolution(Full 1920 x 1080P), PAL/NTSC
- Support H.264/H.265 main profile level 3, ONVIF
- 1 zone input for video trigger and push to CMS or Cloud, NC/NO selectable
- Lens 4/6/8MM @ F1.2 C/CS, horizontal view angle 70°~20°
- 0.01Lux @(F1.2, AGC ON), 0 Lux with IR(15-30M distance)
- Main channel Video decoding 25fps (1920×1080), 25fps (1280×720)
- Verification and push channel video decoding 25fps(640x360), 25fps(320x180)
- P2P channel for App, 25fps(640x360), 25fps(320x180)
- Zone Video push to CMS by External alarm trigger (before 5-30sec triggered)
- Live zone video access on demand by SDK or CMS management software (PA2005)
- Video record on SD card, NAS optional
- Motion Detection (4 Independent Detection Areas can be set)
- Access live zone video from CMS or mobile phone
- Video Stream flow size @ 32 Kbps~4Mbps depending the image movement
- Aluminum alloy metal body and Rainproof cover (IP66)

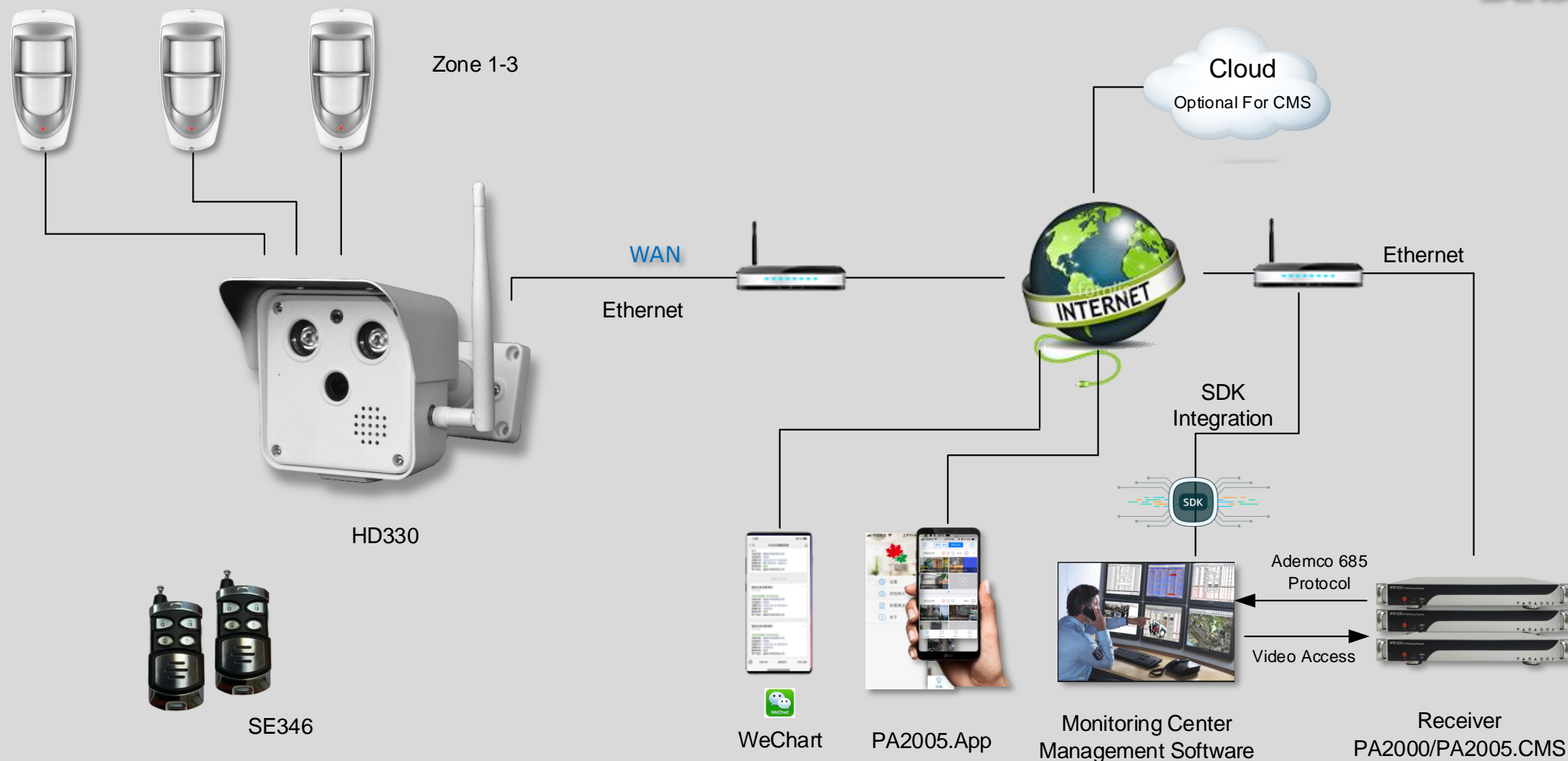
HD Camera Series – Verification Cameras with Intercom



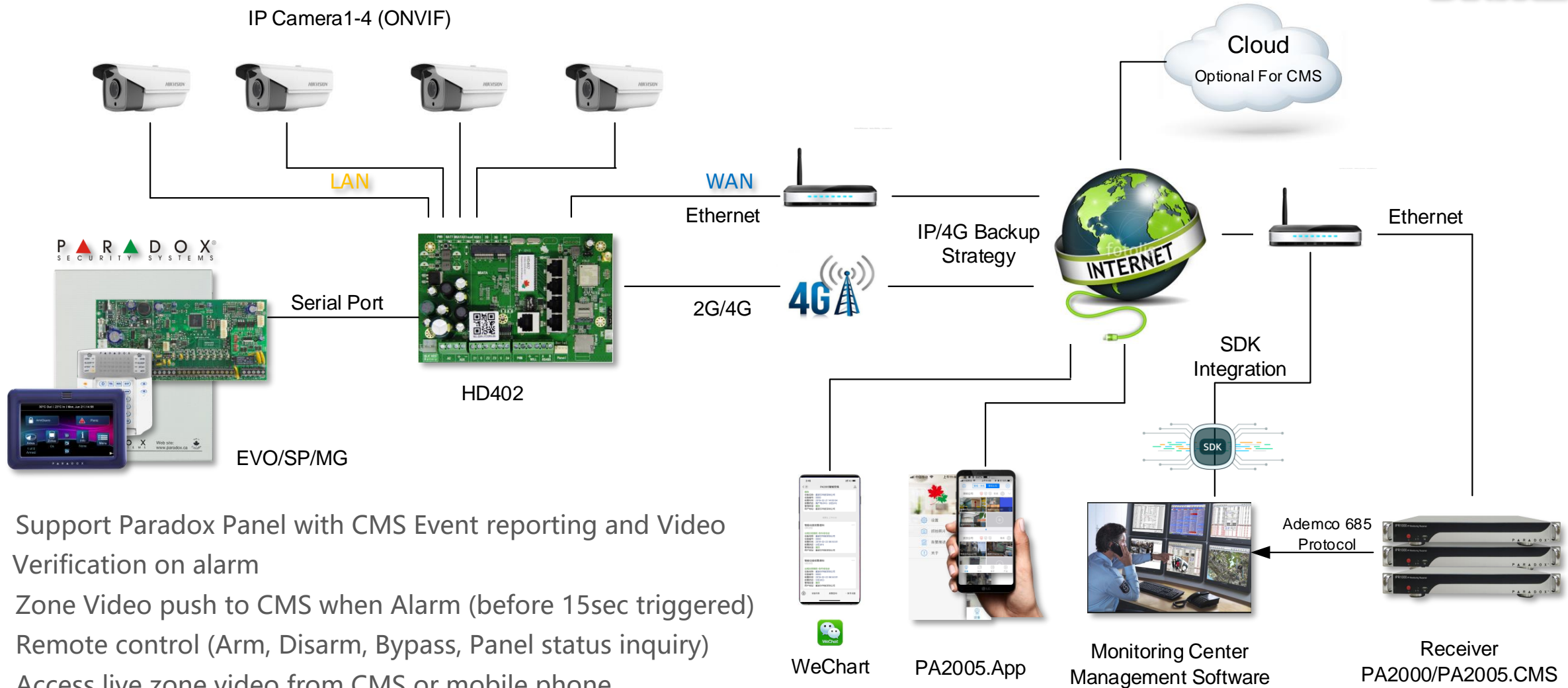
HD311

- 1M Pixel image resolution(1920 x 720P), H.264 main profile, ONVIF
- Audio decoding with AMR format, 3D Digital Noise Reduction
- Intercom support with CMS and Mobile phone App
- 3 zone input for video trigger and push to CMS or Cloud, NC/NO selectable
- Wireless 433Mhz antenna optional for 4 expansion Zone and Arm/Disarm by remote
- Lens 2.8MM @ F2.0, horizontal view angle 92°
- 0.02Lux @(F2.0, AGC ON), 0 Lux with IR(10-25M distance)
- Main channel Video decoding 25fps (1280×720)
- Verification and push channel video decoding 25fps(640x360), 25fps(320x180)
- P2P channel for App, 25fps(640x360), 25fps(320x180)
- Zone Video push to CMS by External alarm trigger (before 5-30sec triggered)
- Live zone video access on demand by SDK or CMS management software (PA2005)
- Remote programming and arm/disarm onboard & wireless expansion zone by CMS/App
- Video record on SD card(Max 128G)
- Motion Detection (4 Independent Detection Areas can be set)
- Access live zone video from CMS or mobile phone
- Video Stream flow size @ 32 Kbps~4Mbps depending the image movement
- Aluminum alloy metal body and Rainproof cover (IP65)

HD Camera Series – Verification Cameras with Intercom

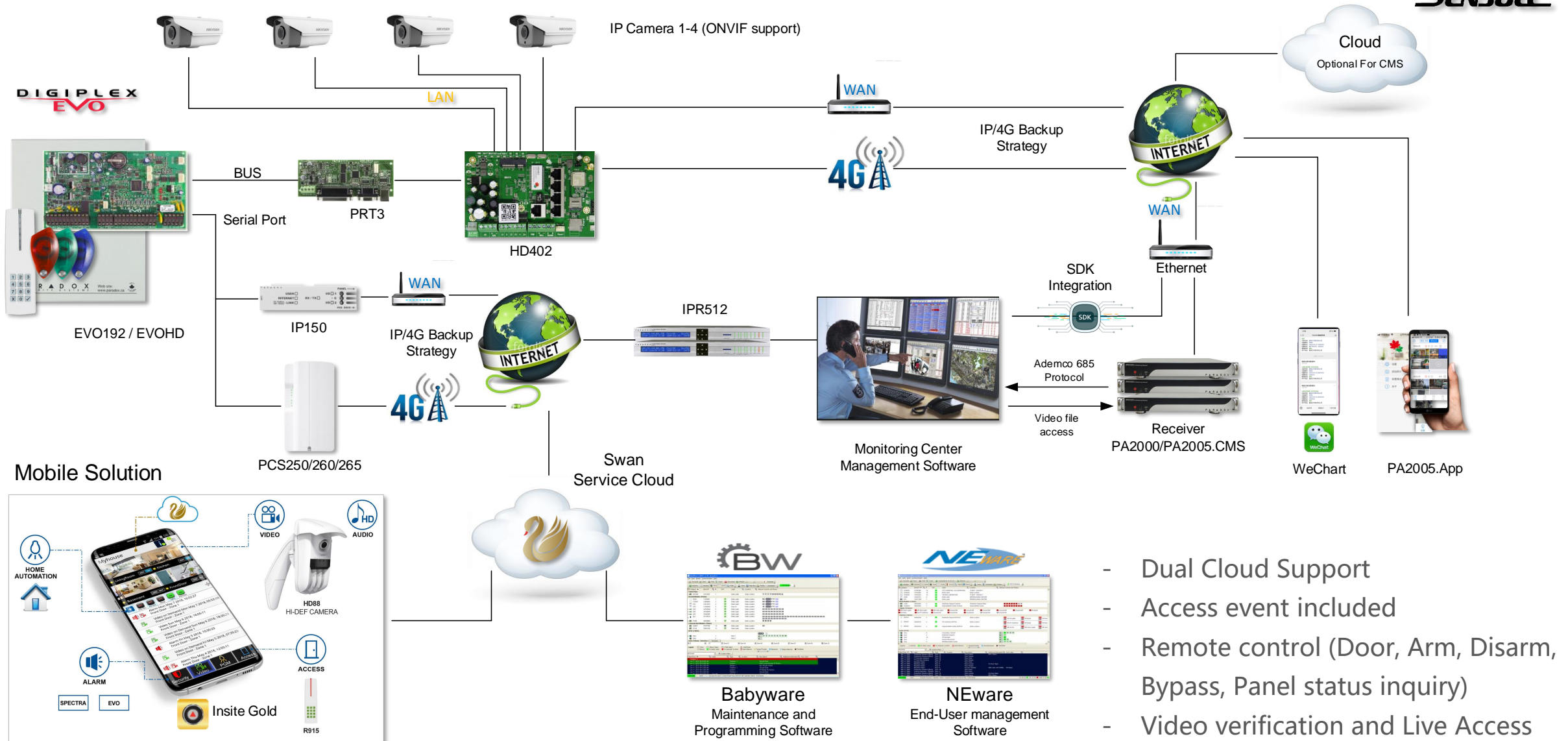


Paradox Panel + HD402 Basic



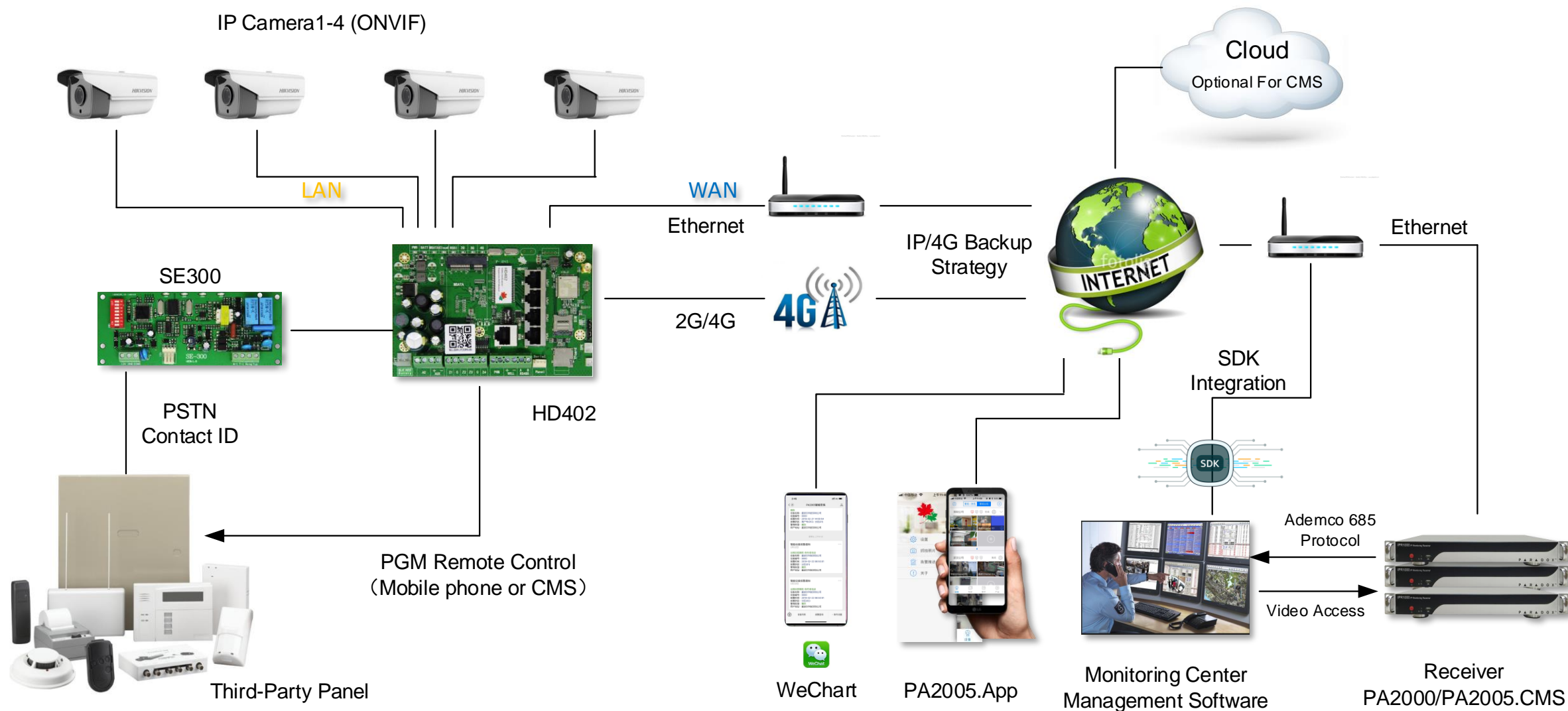
- Support Paradox Panel with CMS Event reporting and Video Verification on alarm
- Zone Video push to CMS when Alarm (before 15sec triggered)
- Remote control (Arm, Disarm, Bypass, Panel status inquiry)
- Access live zone video from CMS or mobile phone
- Event and video transfer via Ethernet or 4G (2G only event)

EVO Panel + HD402 Advanced and Exclusive

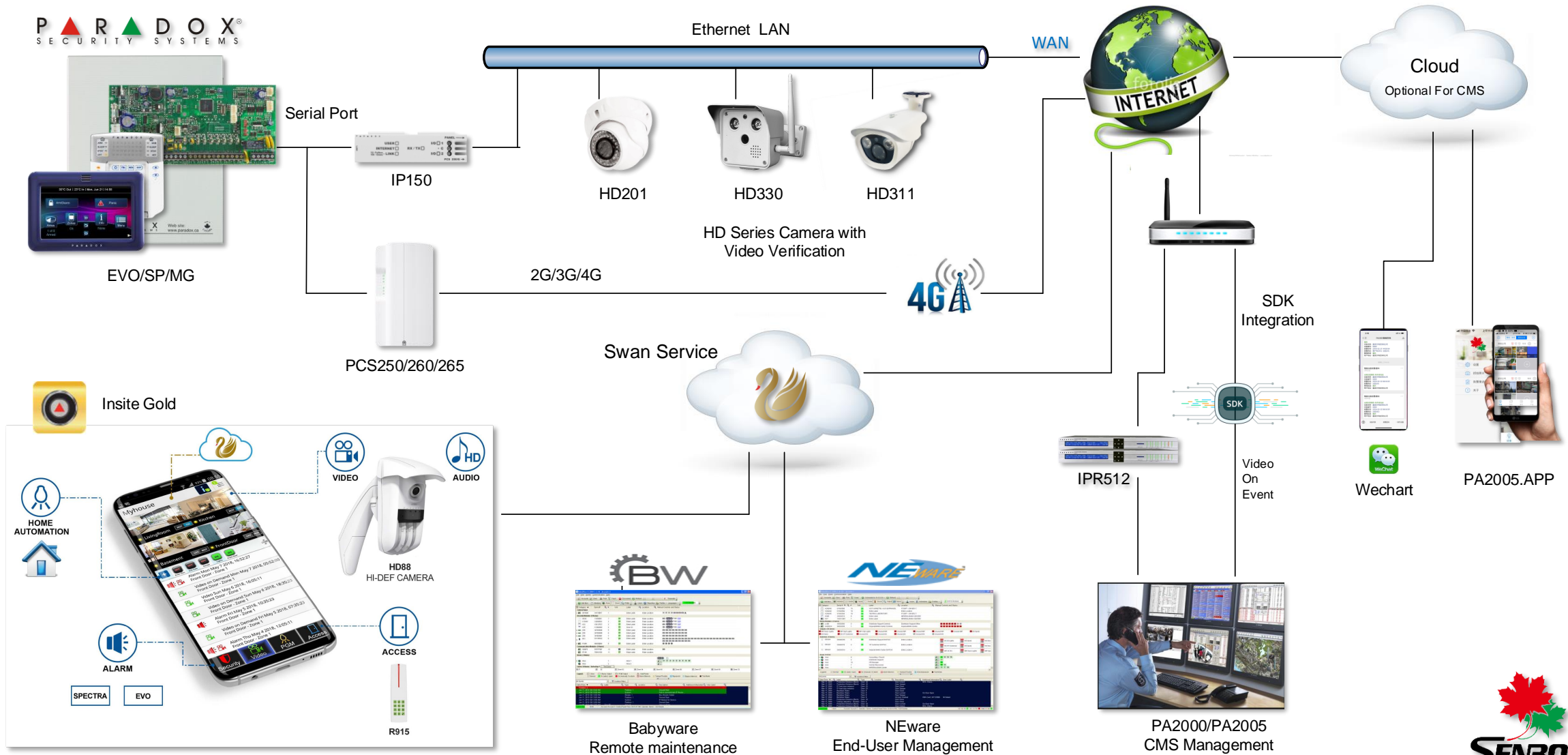


- Dual Cloud Support
- Access event included
- Remote control (Door, Arm, Disarm, Bypass, Panel status inquiry)
- Video verification and Live Access

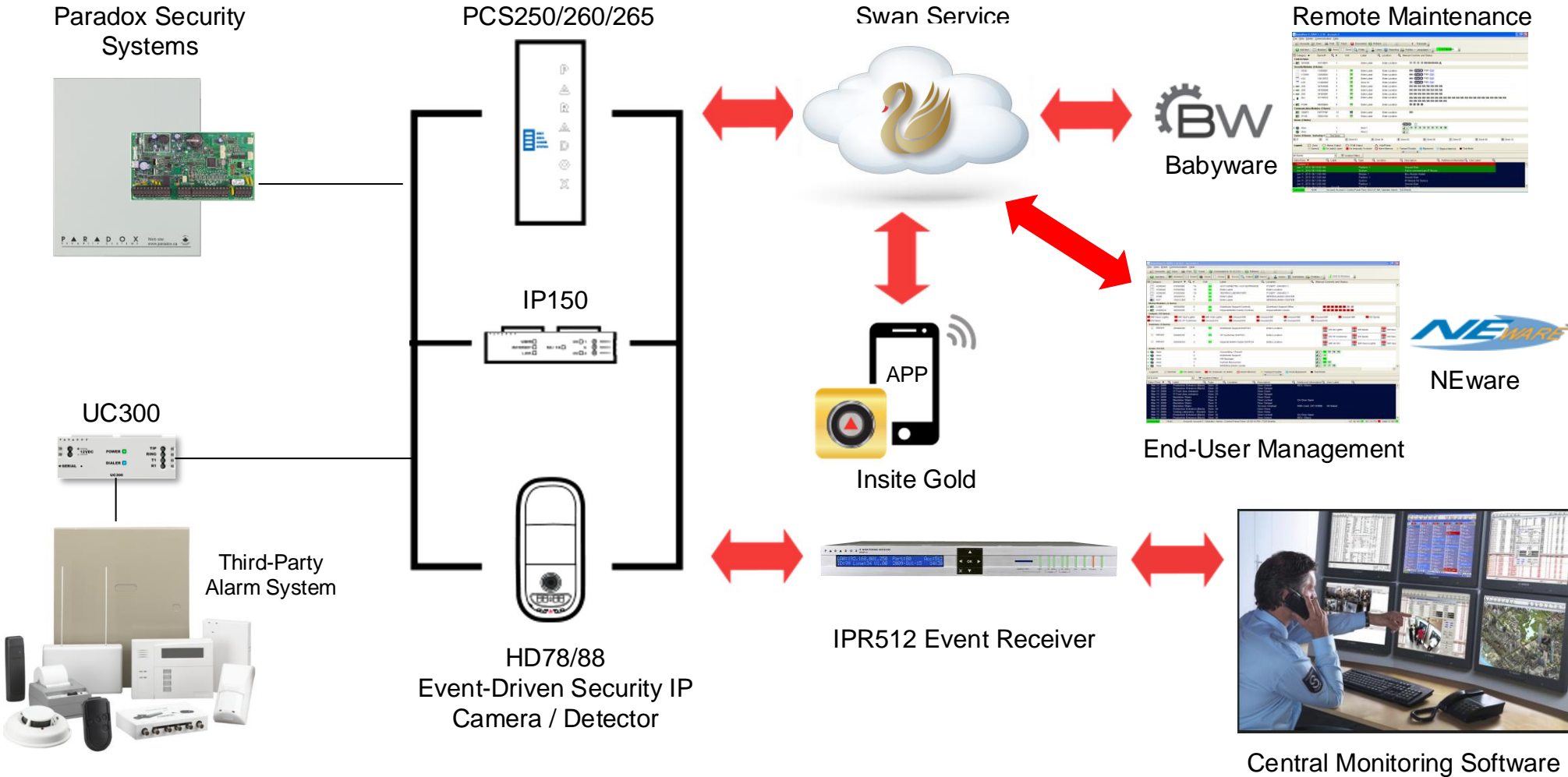
Third-Party Panel + HD402 + SE300



IP Camera with Video Verification Solution



Swan Service – Powered by Paradox



Swan Service – One App, Full Solution



CMS Cloud Support – Powered by Senboll

