禪

[illegible] IT-OT [illegible]

[illegible]

[illegible] (ICS [illegible] ICS [illegible].

[illegible]

[illegible] (ICS [illegible] ICS [illegible].

[illegible]

[illegible] (OT) [illegible] IT [illegible]. [illegible]
[illegible]
[illegible].
[illegible].

[illegible]

[illegible] 1 [illegible] VLAN[illegible] [illegible] cross-VLAN [illegible].

[illegible] (Video Surveillance)[illegible] (Access Control) [illegible][illegible](IoT) [illegible] ([illegible] (Smart Lighting) [illegible] [illegible] (HVAC) [illegible].

[illegible] (OT) [illegible]

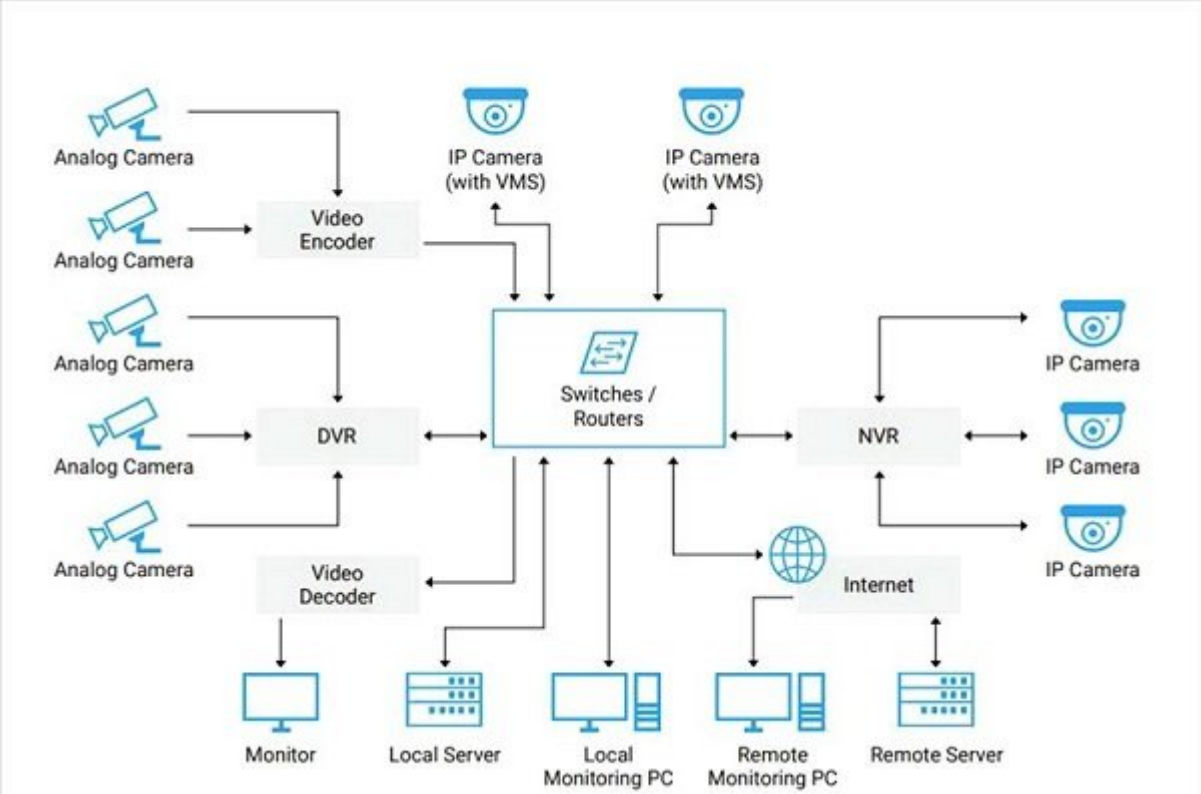
LonTalk и BACnet и KNX. Message Queue Telemetry Transport (MQTT) Constrained Application Protocol (CoAP) (M2M) 1 1.

VSS (Video Surveillance Storage) (CCTV)

1. (IP) (CCTV) .
2. DVR и VCR Network Video Recorder (NVR) .
3. .

VSS:

1. .
2. NVR HTTP и FTP SSH SMTP RTSP и RTP и RTCP .
3. . 2 2 .



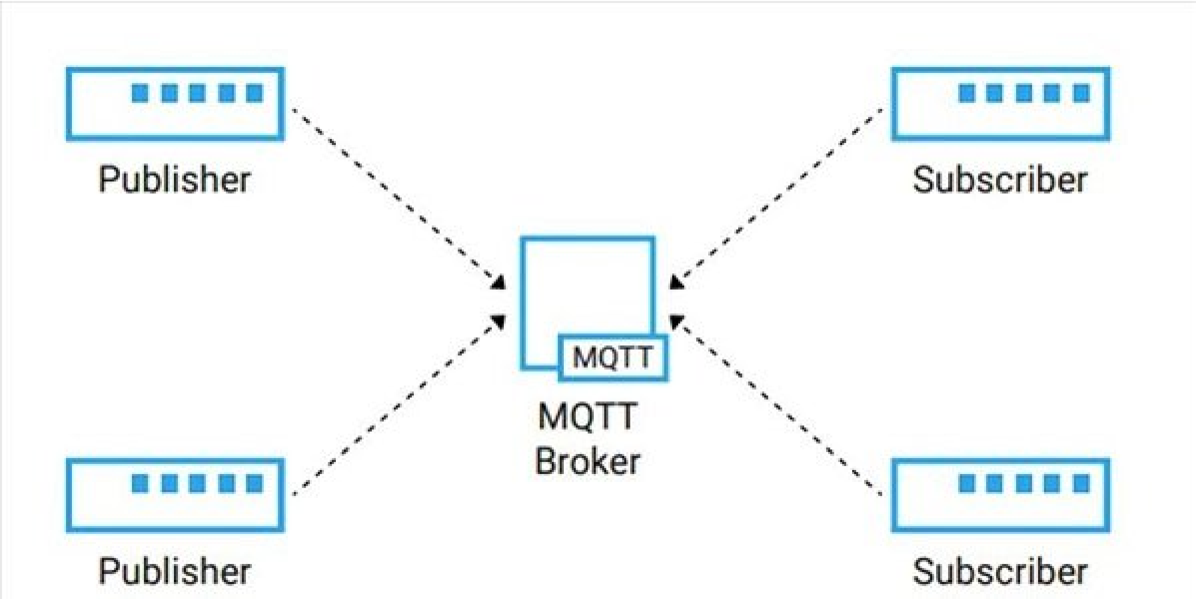
[illegible]

[illegible] Philips Hue [illegible] Digital Addressable Lighting Interface [illegible] (DALI) [illegible] EnOcean [illegible] Philips Hue [illegible] 2012 [illegible] Smart Bridge [illegible] Hue [illegible] 3 [illegible] Hue [illegible]

[illegible]

[illegible] IoT [illegible] (Ethernet, WiFi, Bluetooth, Z-Wave) [illegible] (MQTT, CoAP, AMQP, DDS, XMPP) [illegible].

MQTT [illegible] MQTT. [illegible] IoT [illegible] MQTT [illegible] (publish-subscribe) [illegible] TCP/IP [illegible] MQTT [illegible] (broker) [illegible] (publisher) [illegible] (subscriber) [illegible]. MQTT [illegible] MQTT [illegible] 4 [illegible].



MQTT [illegible] MQTT [illegible] TLS [illegible].

[illegible]:
[illegible]
[illegible]
[illegible]:
12:05 - 05/12/1398
[illegible]:
IT-OT - [illegible]

[illegible]
[illegible]: https://www.shabakeh-mag.com/information-feature/iot/16603/%D9%85%D8%B9%D9%85%D8%A7%D8%B1%DB%8C-%D9%85%D8%B1%D8%AC%D8%B9-%DB%8C%DA%A9-%D8%B3%D8%A7%D8%AE%D8%AA%D9%85%D8%A7%D9%86%E2%80%8C-%D9%87%D9%88%D8%B4%D9%85%D9%86%D8%AF-%D9%88-%D9%86%D9%82%D8%B4-%D8%A7%DB%8C%D9%86%D8%AA%D8%B1%D9%86%D8%AA-%D8%A7%D8%B4%DB%8C%D8%A7-%D8%AF%D8%B1-%D8%A2%D9%86