How to configure ONVIF protocol

Notes: ONVIF is disabled by default in version 5.5.0, even the devi

ce is updated from old version that ONVIF is enabled.



Steps:

Go to Configuration→Network→Advanced settings→ Integration
 Protocol and enable Onvif.

| SNMP | FTP | Email | HTTPS | QoS | 802.1x | Integration | Protocol | | | | | |
|----------------|---|-------|-------|--------|--------|-------------|----------|--|-------|--|--|--|
| 🗌 Ei Hikvis | Enable Hikvision-CGI Hikvision-CGI Authenticat digest | | | | | | | | | | | |
| ☑ E | ☑ Enable ONVIF | | | | | | | | | | | |
| Us | User List Add Modify Delete | | | | | | | | | | | |
| No. | | | Use | r Name | | | | | Level | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

2. Click Add to input User Name and Password, which Media User, Operator and Administrator are selectable. The maximum numb er of users is up to 32. Please note that user management syste m in ONVIF is independent from user management system in d evice.



| Add user | × |
|-----------|--|
| User Name | admin |
| Password | •••••••• 😔 🕹 |
| | Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained. |
| Confirm | •••••• |
| Level | O Media user |
| | Operator |
| | Administrator |
| | OK Cancel |

Notes: The user permissions for ONVIF are set according to the O NVIF protocol document, the default permissions document specifies as follows:

| | Administrator | Operator | User | Anonymous |
|-----------------------|---------------|----------|------|-----------|
| PRE_AUTH | X | X | X | X |
| READ_SYSTEM | Х | Х | Х | |
| READ_SYSTEM_SENSITIVE | Х | Х | | |
| READ_SYSTEM_SECRET | X | | | |
| WRITE_SYSTEM | Х | | | |
| UNRECOVERABLE | Х | | | |
| READ_MEDIA | X | X | X | |
| ACTUATE | Х | Х | | |

Table 7 Default Access Policy Definition

On the BatchConfigTool client :

Steps:

1. Open BatchConfigTool client, and select the online devices in the

LAN and click $+ \ {\rm Add} \,$ to add them to the client.



| | | | | | Add Device × | | | | | | |
|------------|-------------------------------|------------|------------------|-----|-----------------|---------------------|----|----------|-------------|---------------|---------------|
| | | | | | | | | | | | |
| Filter | Q Total Number: 20 | ISR | efresh + Ad | ł | Log in to the | Selected Device(s): | | | Parameters | 5 | |
| I ID | l Device Type | l Security | i IPv4 Address I | Poi | User Name: | admin | | | erial No. 🛛 | Subnet Mask I | MAC Address |
| ☑ 015 | DS-2CD2H85FWD-IZ S | Active | 10.5.2.205 | 81 | Password: | | | | H85FW | 255.255.25 | 18-68-cb-cc-1 |
| 016 | DS-2CD2752F-IZS | Active | 10.5.2.252 | 81 | | | | | 752F-IZ | 255.255.25 | 28-57-be-5e |
| ☑ 014 | DS-2DE7220IW-AE | Active | 10.5.2.161 | 81 | | | ОК | Cancel | 220IW | 255.255.25 | bc-ad-28-c7-0 |
| Ø00 | iDS-2PT9122IX-D/S | Active | 10.5.2.91 | 80 | V5.4.9build 170 |) 10.5.2.254 | 80 | iDS-2PT9 | 122IX-D | 255.255.25 | 00-40-30-11-1 |
| 009 | DS-2DF6336V-AEL | Active | 10.5.2.204 | 81 | V5.4.71build 17 | 7 10.5.2.254 | 95 | DS-2DF6 | 336V-AE | 255.255.25 | 28-57-be-ba |
| 007 | DS-2CD6A64F-IHS/N | Active | 10.5.2.64 | 80 | V5.4.6build 170 |) 10.5.2.254 | 80 | DS-2CD6 | A64F-IH | 255.255.25 | 18-68-cb-7f-c |

2. Select added devices on the client, click More • comboBox and

go into the ONVIF configuration interface.

| G Batch (| Configuration | | | | | | | | |
|------------|---------------------|-----------------|---------------|-----------------|---------------|-----------------|----------------------|-------------------|---------------------|
| All Device | s 👻 Total Number: 2 | 📿 Refresi | n + Add | imes Delete | 🖙 Upgrade | G Batch Configu | ration Configure via | HTTP More 🔻 | ℬ Settings |
| 🗹 ID 🔺 | | | | | | l Configurat | ion l Upgrade | | |
| ✓ 001 | iDS-2PT9122IX-D/S | 10.5.2.91 | 8000 V | 5.4.9 build 170 | iDS-2PT9122I | IX-D | Unknown | | |
| ✓ 002 | DS-2DE7220IW-AE | 10.5.2.161 | 8108 V | 5.5.0 build 170 | . DS-2DE72201 | W | Unknown | | |
| | | | | ONVIF Config | guration | | × | | |
| | | | | Enable | ONVIF | | | | |
| | | | | 🗌 Add a U | Jser | | | | |
| | | | | User Type: | O Media C |) Operat 🔿 Adr | nin | | |
| | | | | User | Name: | | | | |
| | | | | New Pa | assword: | | | | |
| Filter | Q Total Number: 20 | ∣ ⊖ Refresl | n + Add | Confirm Pa | assword: | | rk Parameters | | |
| I ID | l Device Type | Security IPv4 | I Address F | Pc | | OK | Serial No. | Subnet Mask MAG | CAddress Encoding |
| ☑ 015 | DS-2CD2H85FWD-IZS | Active 10. | 5.2.205 | 8 | | OK | D2H85FW | 255.255.25 18-6 | 68-cb-cc-1 0 |
| 016 | DS-2CD2752F-IZS | Active 10. | 5.2.252 | 81 V5.5.0bui | ld 170 10.5.2 | 2.254 99 | DS-2CD2752F-IZ | 255.255.25 28-5 | 7-be-5e 0 |
| ✓ 014 | DS-2DE7220IW-AE | Active 10. | 5.2.161 | 81 V5.5.0bui | ld 170 10.5.2 | .254 80 | DS-2DE7220IW | 255.255.25 bc-a | id-28-c7-0 0 |
| | | | | | | | | | |

3. On the ONVIF configuration interface, you can enabling ONVIF a nd set user type that you want.

NOTES: For BatchConfigTool client, it supports batch setting ONVIF protocol. However, it needs to be set one by one on the web interf ace.

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