VIGI
by tp·link

TP-Link VIGI as an Effective Solution for Surveillance and Bullying Prevention at Maitreyawira School

END-CUSTOMER GENERAL PROFILE

Name: Maitreyawira Deli Serdang School

Industry: Education

Capacity: 1 School

Location: Komp. Perumahan Cemara Asri Jl. Cemara Boulevard Utara No.8, Medan Estate, Kec. Percut Sei Tuan, Kab. Deli Serdang, Sumatera Utara 20221

Used Products：

• **VIGI Camera：**
VIGI C230I Mini × 92
VIGI C330 × 33
• **VIGI NVR：**
VIGI NVR1016H × 12
• **TP-Link PoE Switch：**
TL-SL1218MP × 4
TL-SL1226P × 2

BACKGROUND

Maitreyawira School Deli Serdang is a private educational institution located in Deli Serdang Regency, North Sumatra Province, Indonesia. The school offers education from early childhood education (PAUD), elementary school (SD), junior high school (SMP), to high school (SMA). The available facilities include modern and comfortable classrooms, laboratories for science and computer practice, a library with a diverse collection of books, and sports facilities to support extracurricular activities and the development of students' skills.
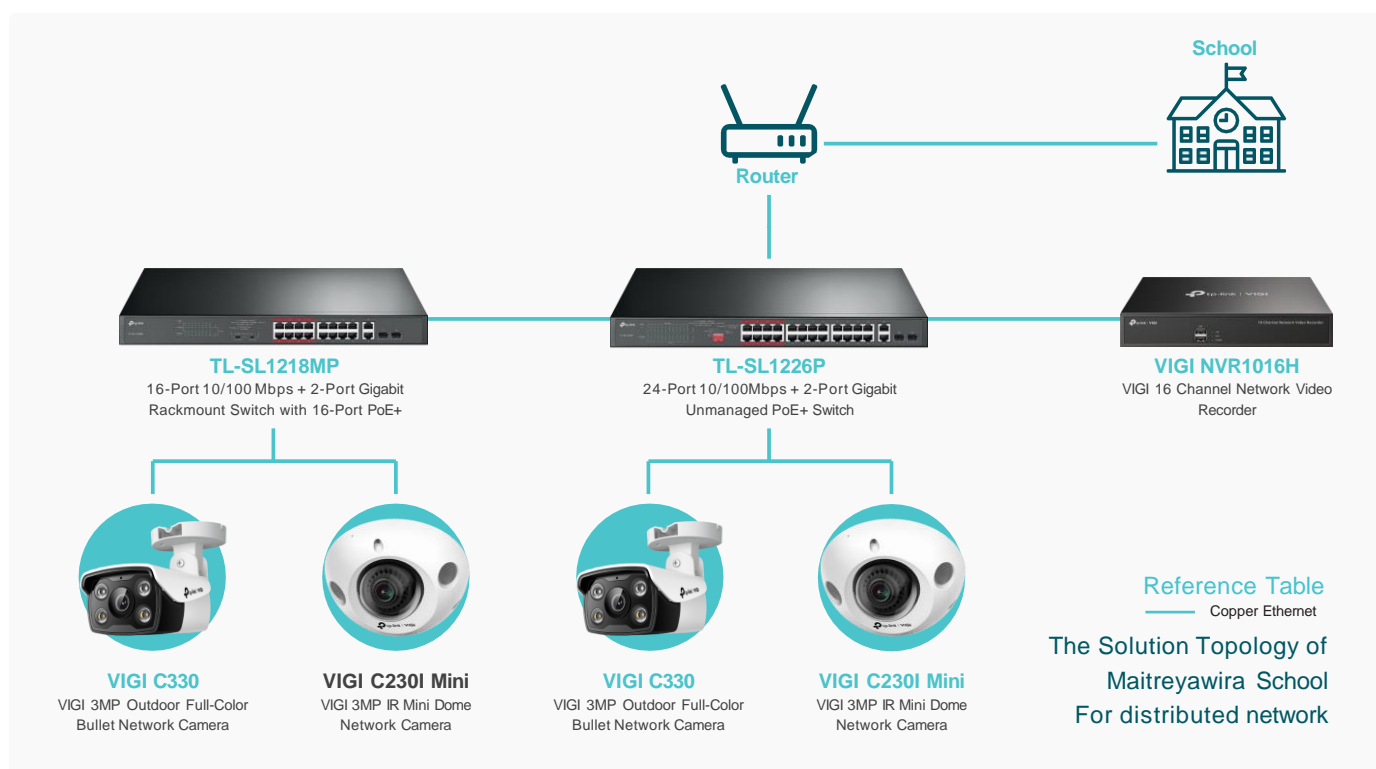
CHALLENGE

With a vision that promotes values of morality and ethics within diversity, Maitreyawira School is committed to creating a safe environment free from bullying. The desired solution must meet two main needs:

• Comprehensive monitoring of teaching and learning activities as well as student interactions at the school.

• Easy and cost-effective network management.

SOLUTION

TP-Link provides the VIGI surveillance solution that meets these needs efficiently in terms of both cost and effort.

- **Quality Monitoring Without Blind Spots,** The VIGI C230i mini and VIGI C330 CCTV cameras offer clear and comprehensive monitoring of school activities with Super High Definition 3MP resolution. The VIGI C230i mini uses infrared technology, while the VIGI C330 uses full-color technology, ensuring optimal monitoring results even in low light conditions. Both VIGI CCTV models are equipped with IP67 standards for weather resistance against rain and dust, making them ideal for installation both indoors and outdoors, such as in the sports facilities at Maitreyawira School.

- **Actively Detecting and Preventing Security Issues,** VIGI cameras with AI Detection features help quickly identify potential threats, such as unauthorized intrusions or unsafe behavior like bullying. These cameras not only alert security personnel promptly but are also equipped with alarms, microphones, and speakers for quick response. By utilizing built-in AI algorithms to detect anomalies such as line crossing and object removal, VIGI cameras ensure proactive security measures that reduce risks and enhance overall safety within the school area.

- **Easy Centralized Management,** The VIGI NVR1016H allows the school to monitor from 16 channels simultaneously, ensuring security and preventing issues like bullying with 4K HDMI video output and multi-site views within the school. Using the VIGI Security Manager, VIGI app, and NVR interface, school security personnel can easily perform remote monitoring, including live view, playback searches, alarm checks, and smart detection. This enables the school to take swift and effective preventive actions to maintain a secure learning environment.

- **Easy Installation with Low Costs,** VIGI CCTV cameras support Power over Ethernet (PoE) and are compatible with TP-Link PoE switches such as TL-SL1218MP and TL-SL1226P for simultaneous transmission of internet and power to all VIGI surveillance systems. The use of PoE not only simplifies installation by eliminating the need for separate power cables but also significantly reduces the school's infrastructure costs.

School

Router

TL-SL1218MP
16-Port 10/100 Mbps + 2-Port Gigabit
Rackmount Switch with 16-Port PoE+

TL-SL1226P
24-Port 10/100Mbps + 2-Port Gigabit
Unmanaged PoE+ Switch

VIGI NVR1016H
VIGI 16 Channel Network Video
Recorder

VIGI C330
VIGI 3MP Outdoor Full-Color
Bullet Network Camera

VIGI C230I Mini
VIGI 3MP IR Mini Dome
Network Camera

VIGI C330
VIGI 3MP Outdoor Full-Color
Bullet Network Camera

VIGI C230I Mini
VIGI 3MP IR Mini Dome
Network Camera

Reference Table
— Copper Ethernet

The Solution Topology of
Maitreyawira School
For distributed network

⬥ BUSINESS RESULTS

The management of Maitreyawira School Deli Serdang has expressed their satisfaction with the TP-Link solution for the following reasons:

- Easy Setup and Installation: The straightforward setup and installation not only save the school's costs but also do not disrupt students' learning time.
- User-Friendly Management: The CCTV management system is very easy for school staff to use.
- Clear Camera Resolution and AI Features: The clear camera resolution and various AI features enhance the safety of both students and teachers at Maitreyawira School Deli Serdang.

"We are extremely satisfied with the TP-Link solution. The easy setup and installation have saved us costs and ensured that our students' learning time is not disrupted. The CCTV management system is very user-friendly for our staff, and the clear camera resolution along with its AI features has significantly enhanced the safety of both our students and teachers at Maitreyawira School Deli Serdang."

— — Maitreyawira Deli Serdang School

Related Recommended Products

VIGI NVR1016H	VIGI C330	VIGI C230i Mini	TL-SL1218MP

TL-SL1226P