

Robots helping to fight coronavirus

As countries around the world grapple with COVID-19, front line medical workers are deploying robots to help contain the pandemic

◀ **Virus-zapping robot:** Moves autonomously around hospital rooms, emitting beams of concentrated UV-C ultraviolet light to disinfect surfaces

UV-C light destroys virus by damaging its DNA and RNA

RNA (Ribonucleic acid) carries genetic code of virus

Telehealth ▶
5G-powered medical robots with cameras allow remote video conferencing and patient monitoring to minimize risk of transmission

"Ninja" robot in Thailand

Denmark-based **UVD Robotics** (above) and Texas-based **Xenex** produce UV robots

Patrol robot ▶
Created by Chinese firm **CloudMinds**. Can check temperature, identity, and disinfect areas used by hospital visitors

▶ **Robotic arm:** Developed at Beijing's Tsinghua University. Controlled by doctors in separate room, arm can take mouth swabs, perform ultrasounds and listen to sounds of patient's organs