InterVision

The Quantum Wake-Up Call: Defending Essential Infrastructure
This isn't sci-fi. It's a call to act.

Quantum computing threatens to break today's encryption, exposing critical SCADA and ICS systems—turning resilient safeguards into gateways for disruption in seconds.

Your Password Is Just The Beginning.

That 15-character password that takes centuries to crack? Quantum will do it instantly. **And it won't stop there.**

Credentials, data, and systems are all at risk.

The Time it Takes to Crack Your Password

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	1 sec	5 secs
7	Instantly	Instantly	25 secs	1 min	6 mins
8	Instantly	5 secs	22 mins	1 hour	8 hours
9	Instantly	2 mins	19 hours	3 days	3 weeks
10	Instantly	58 mins	1 month	7 months	5 years
11	2 secs	1 day	5 years	41 years	400 years
12	25 secs	3 weeks	300 years	2k years	34k years
13	4 mins	1 year	16k years	100k years	2m years
14	41 mins	51 years	800k years	9m years	200m years
15	6 hours	1k years	43m years	600m years	15 bn years
16	2 days	34k years	2bn years	37bn years	1tr years
17	4 weeks	800k years	100bn years	2tr years	93tr years
18	9 months	23m years	6tn years	100 tn years	7qd years

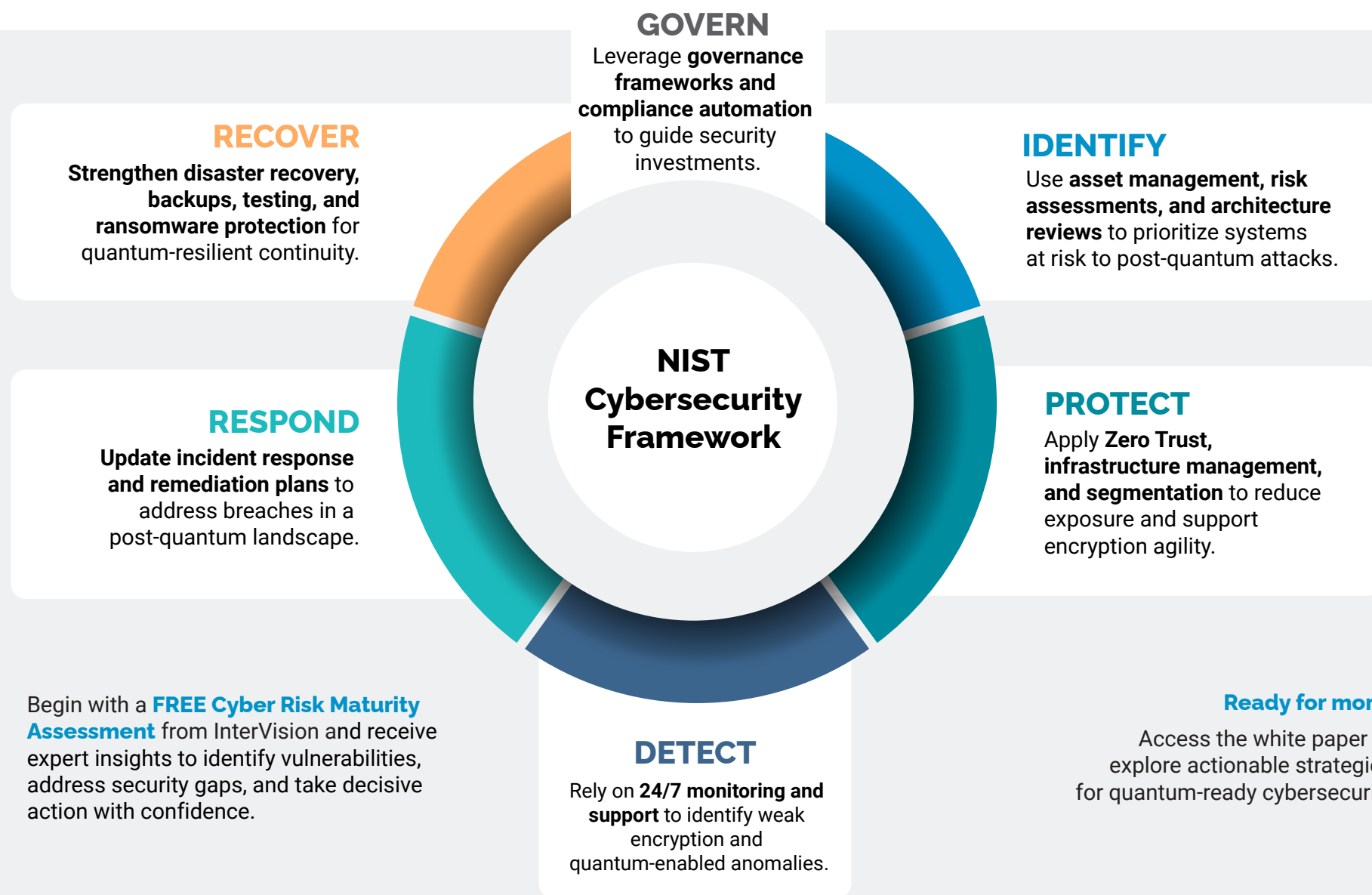| Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	Instantly	Instantly
7	Instantly	Instantly	Instantly	Instantly	Instantly
8	Instantly	Instantly	Instantly	Instantly	Instantly
9	Instantly	Instantly	Instantly	Instantly	Instantly
10	Instantly	Instantly	Instantly	Instantly	Instantly
11	Instantly	Instantly	Instantly	Instantly	Instantly
12	Instantly	Instantly	Instantly	Instantly	Instantly
13	Instantly	Instantly	Instantly	Instantly	Instantly
14	Instantly	Instantly	Instantly	Instantly	Instantly
15	Instantly	Instantly	Instantly	Instantly	Instantly
16	Instantly	Instantly	Instantly	Instantly	Instantly
17	Instantly	Instantly	Instantly	Instantly	Instantly
18	Instantly	Instantly	Instantly	Instantly	Instantly

The Next Step Is Clear.
Modernize with a cybersecurity framework built to adapt, starting with NIST.

The NIST Cybersecurity Framework
Built for today. Ready for what's next

As quantum decryption threats grow, aligning with NIST provides a proven roadmap to mature cybersecurity posture—one that adapts to tomorrow's risks. **Don't wait for quantum to catch up. Get ahead with InterVision.**

GOVERN
Leverage **governance frameworks and compliance automation** to guide security investments.

IDENTIFY
Use **asset management, risk assessments, and architecture reviews** to prioritize systems at risk to post-quantum attacks.

RECOVER
Strengthen disaster recovery, backups, testing, and ransomware protection for quantum-resilient continuity.

NIST Cybersecurity Framework

PROTECT
Apply **Zero Trust, infrastructure management, and segmentation** to reduce exposure and support encryption agility.

RESPOND
Update incident response and remediation plans to address breaches in a post-quantum landscape.

DETECT
Rely on **24/7 monitoring and support** to identify weak encryption and quantum-enabled anomalies.

Begin with a **FREE Cyber Risk Maturity Assessment** from InterVision and receive expert insights to identify vulnerabilities, address security gaps, and take decisive action with confidence.

Ready for more?
Access the white paper to explore actionable strategies for quantum-ready cybersecurity.